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# *List of ITU-R Recommendations Included in September 2000 edition CD-ROM*

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## *BO Series : Broadcasting-satellite service (sound and television)*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
BO.600-1	Standardized set of test conditions and measurement procedures for the subjective and objective determination of protection ratios for television in the terrestrial broadcasting and the broadcasting-satellite services	01-Jul-86
BO.650-2	Standards for conventional television systems for satellite broadcasting in the channels defined by Appendix 30 of the Radio Regulations	08-Mar-92
BO.651	Digital PCM coding for the emission of high-quality sound signals in satellite broadcasting (15 kHz nominal bandwidth)	01-Jul-86
BO.652-1	Reference patterns for earth-station and satellite antennas for the broadcasting-satellite service in the 12 GHz band and for the associated feeder links in the 14 GHz and 17 GHz bands	08-Mar-92
BO.712-1	High-quality sound/data standards for the broadcasting-satellite service in the 12 GHz band	08-Mar-92
BO.786	MUSEsystem for HDTV broadcasting-satellite services	08-Mar-92
BO.787	MAC/packet based system for HDTV broadcasting-satellite services	08-Mar-92
BO.788-1	Coding rate for virtually transparent studio quality HDTV emissions in the broadcasting-satellite service	16-Nov-93
BO.789-2	Service for digital sound broadcasting to vehicular, portable and fixed receivers for broadcasting-satellite service (sound) in the frequency range 1 400-2 700 MHz	20-Oct-95
BO.790	Characteristics of receiving equipment and calculation of receiver figure-of-merit (G/T) for the broadcasting-satellite service	08-Mar-92
BO.791	Choice of polarization for the broadcasting-satellite service	08-Mar-92
BO.792	Interference protection ratios for the broadcasting-satellite service (television) in the 12 GHz band	08-Mar-92
BO.793	Partitioning of noise between feeder links for the broadcasting-satellite service (BSS) and BSS down links	08-Mar-92
BO.794	Techniques for minimizing the impact on the overall BSS system performance due to rain along the feeder-link path	08-Mar-92
BO.795	Techniques for alleviating mutual interference between feeder links to the BSS	08-Mar-92
BO.1211	Digital multi-programme emission systems for television, sound and data services for satellites operating in the 11/12 GHz frequency range	20-Oct-95
BO.1212	Calculation of total interference between geostationary-satellite networks in the broadcasting-satellite service	20-Oct-95
BO.1213	Reference receiving earth station antenna patterns for replanning purposes to be used in the revision of the WARC-77 BSS plans for Regions 1 and 3	20-Oct-95
BO.1293-1	Protection masks and associated calculation methods for interference into broadcast-satellite systems involving digital emissions	06-Mar-00
BO.1294	Common functional requirements for the reception of digital multiprogramme television emissions by satellites operating in the 11/12 GHz frequency range	24-Oct-97
BO.1295	Reference transmit Earth station antenna off-axis e.i.r.p. patterns for planning purposes to be used in the revision of the Appendix 30A (Orb-88) Plans of the Radio Regulations at 14 GHz and 17 GHz in Regions 1 and 3	24-Oct-97

***BO Series : Broadcasting-satellite service (sound and television)***

<b><i>Rec no.</i></b>	<b><i>Recommendation Name</i></b>	<b><i>Date</i></b>
BO.1296	Reference receive space station antenna patterns for planning purposes to be used for elliptical beams in the revision of the Appendix 30A (Orb-88) Plans of the Radio Regulations at 14 GHz and 17 GHz in Regions 1 and 3	24-Oct-97
BO.1297	Protection ratios to be used for planning purposes in the revision of the Appendices 30 (Orb-85) and 30A (Orb-88) Plans of the Radio Regulations in Regions 1 and 3	24-Oct-97
BO.1373	Use of BSS assignments for FSS transmissions	30-Nov-98
BO.1383	Introduction of the broadcasting-satellite service (sound) in the same frequency bands as used by mobile aeronautical telemetry systems in the frequency range 1-3 GHz	14-Dec-98
BO.1408	Transmission system for advanced multimedia services provided by integrated services digital broadcasting in a broadcasting-satellite channel	07-Oct-99
BO.1443	Reference BSS earth station antenna patterns for use in interference assessment involving non-GSO satellites in frequency bands covered by RR Appendix S30	06-Mar-00
BO.1444	Protection of the broadcasting-satellite service in the 12 GHz band and associated feeder links in the 17 GHz band from interference caused by non-geostationary fixed-satellite service systems	06-Mar-00
BO.1445	Improved patterns for fast roll-off satellite transmit antennas of the Regions 1 and 3 BSS plans of RR Appendix S30	06-Mar-00

*BR Series : Sound and television recording*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
BR.265-8	Standards for the international exchange of programmes on film for television use	24-Oct-97
BR.407-4	International exchange of sound programmes recorded in analogue form	01-Jun-90
BR.408-6	Standards of sound recording on magnetic tape for the international exchange of programmes	08-Mar-92
BR.469-6	Analogue composite television tape recording. Standards for the international exchange of television programmes on magnetic tape	08-Mar-92
BR.602-4	Exchange of television recordings for programme evaluation	06-Mar-00
BR.648	Digital recording of audio signals	01-Jul-86
BR.649-1	Measuring methods for analogue audio tape recordings	08-Mar-92
BR.657-2	Digital television tape recording. Standards for the international exchange of television programmes on magnetic tape	08-Mar-92
BR.714-1	International exchange of programmes electronically produced by means of high-definition television	16-Nov-93
BR.715	International exchange of ENG recordings	01-Jun-90
BR.777-2	International exchange of digital audio recordings	20-Oct-95
BR.778-1	Analogue component television tape recording. Standards for the international exchange of television programmes on magnetic tapes	16-Nov-93
BR.779-1	Operating practices for digital television recording	24-Oct-97
BR.780	Time and control code standards for the international exchange of television programmes on magnetic tapes	08-Mar-92
BR.785	The release of programmes in a multimedia environment	08-Mar-92
BR.1214	Studio recording of sound-broadcasting programmes on magnetic tape for release on multi-programme digital channels	20-Oct-95
BR.1215	Handling and storage of television and sound recordings on magnetic tape	20-Oct-95
BR.1216	Recording of television programmes on magnetic tape in the case when several programmes are broadcast in the same digital multiplex	20-Oct-95
BR.1218	Recording of teletext on future digital recorder for consumer use	20-Oct-95
BR.1219	Handling and storage of cinematographic film recording	20-Oct-95
BR.1220	Requirements for the generation, recording and presentation of HDTV programmes intended for release in the "electronic cinema"	20-Oct-95
BR.1287	Broadcasting of programmes on film with multichannel sound	24-Oct-97
BR.1290	Use of television disk recording in broadcasters' operations	24-Oct-97
BR.1292	Engineering guidelines for television post-production	24-Oct-97
BR.1351	Requirements for the application of digital technology to audio archiving systems for radio broadcasting	10-Feb-98
BR.1352	File format for the exchange of audio programme materials on information technology media	10-Feb-98
BR.1353	Recording of data in the user bits of the longitudinal time code	10-Feb-98
BR.1355-1	Viewing conditions for telecine transfer of film images on a television display	06-Mar-00
BR.1356	User requirements for application of compression in television production	10-Feb-98
BR.1357	Use of wrappers and metadata in television production	10-Feb-98

*BR Series : Sound and television recording*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
BR.1374	Scanned area dimensions from 16 mm and 35 mm cinematographic film used in television	30-Nov-98
BR.1375	High-definition television (HDTV) recording	20-Nov-98
BR.1376	Compression families to be used in networked television production	30-Nov-98
BR.1384	Parameters for international exchange of multi-channel sound recordings	14-Dec-98
BR.1385	Exchange of sound programmes on recordable compact discs (CD-R)	14-Dec-98
BR.1422	Operational practices for television use of film soundtracks encoded with noise reduction and matrix surround	21-Dec-99
BR.1440	16:9 video images transferred to 35 mm film for optical projection	06-Mar-00
BR.1441	Compromise scanned area dimensions for television from 35 mm wide-screen films	06-Mar-00
BR.1442	User's requirements for digital HDTV tape cassette recorders	06-Mar-00

***BS Series : Broadcasting service (sound)***

<b><i>Rec no.</i></b>	<b><i>Recommendation Name</i></b>	<b><i>Date</i></b>
BS.48-2	Choice of frequency for sound-broadcasting in the Tropical Zone	01-Jul-86
BS.80-3	Transmitting antennas in HF broadcasting	01-Jun-90
BS.139-3	Transmitting antennas for sound broadcasting in the Tropical Zone	01-Jun-90
BS.215-2	Maximum transmitter powers for broadcasting in the Tropical Zone	01-Jul-82
BS.216-2	Protection ratio for sound broadcasting in the Tropical Zone	01-Jul-82
BS.411-4	Fading allowances in HF broadcasting	01-Jun-90
BS.412-9	Planning standards for terrestrial FM sound broadcasting at VHF	14-Dec-98
BS.415-2	Minimum performance specifications for low-cost sound-broadcasting receivers	01-Jul-86
BS.450-2	Transmission standards for FM sound broadcasting at VHF	20-Oct-95
BS.467	Technical characteristics to be checked for frequency-modulation stereophonic broadcasting. Pilot-tone system	01-Jul-70
BS.468-4	Measurement of audio-frequency noise voltage level in sound broadcasting	01-Jul-86
BS.498-2	Ionospheric cross-modulation in the LF and MF broadcasting bands	01-Jun-90
BS.559-2	Objective measurement of radio-frequency protection ratios in LF, MF and HF broadcasting	01-Jun-90
BS.560-4	Radio-frequency protection ratios in LF, MF, and HF broadcasting	24-Oct-97
BS.561-2	Definitions of radiation in LF, MF and HF broadcasting bands	01-Jul-86
BS.562-3	Subjective assessment of sound quality	01-Jun-90
BS.597-1	Channel spacing for sound broadcasting in band 7 (HF)	01-Jul-86
BS.598-1	Factors influencing the limits of amplitude-modulation sound-broadcasting coverage in band 6 (MF)	01-Jun-90
BS.599	Directivity of antennas for the reception of sound broadcasting in band 8 (VHF)	01-Jul-82
BS.638	Terms and definitions used in frequency planning for sound broadcasting	01-Jul-86
BS.639	Necessary bandwidth of emission in LF, MF and HF broadcasting	01-Jul-86
BS.640-3	Single sideband (SSB) system for HF broadcasting	24-Oct-97
BS.641	Determination of radio-frequency protection ratios for frequency-modulated sound broadcasting	01-Jul-86
BS.642-1	Limiters for high-quality sound-programme signals	01-Jun-90
BS.643-2	System for automatic tuning and other applications in FM radio receivers for use with the pilot-tone system	20-Oct-95
BS.644-1	Audio quality parameters for the performance of a high-quality sound-programme transmission chain	01-Jun-90
BS.645-2	Test signals and metering to be used on international sound-programme connections	08-Mar-92
BS.646-1	Source encoding for digital sound signals in broadcasting studios	08-Mar-92
BS.647-2	A digital audio interface for broadcasting studios	08-Mar-92
BS.702-1	Synchronization and multiple frequency use per programme in HF broadcasting	08-Mar-92
BS.703	Characteristics of AM sound broadcasting reference receivers for planning purposes	01-Jun-90
BS.704	Characteristics of FM sound broadcasting reference receivers for planning purposes	01-Jun-90

***BS Series : Broadcasting service (sound)***

<b><i>Rec no.</i></b>	<b><i>Recommendation Name</i></b>	<b><i>Date</i></b>
BS.705-1	HF transmitting and receiving antennas characteristics and diagrams	20-Oct-95
BS.706-2	Data system in monophonic AM sound broadcasting (AMDS)	10-Feb-98
BS.707-4	Transmission of multisound in terrestrial television systems PAL B, D1, G, H and I, and SECAM D, K, K1 and L	14-Dec-98
BS.708	Determination of the electro-acoustical properties of studio monitor headphones	01-Jun-90
BS.773	Radio-frequency protection ratios required by FM sound broadcasting in the band between 87.5 MHz and 108 MHz against interference from D/SECAM television transmissions	08-Mar-92
BS.774-2	Service requirements for digital sound broadcasting to vehicular, portable and fixed receivers using terrestrial transmitters in the VHF/UHF bands	20-Oct-95
BS.775-1	Multi-channel stereophonic sound system with and without accompanying picture	16-Nov-93
BS.776	Format for user data channel of the digital audio interface	08-Mar-92
BS.1114-1	Systems for terrestrial digital sound broadcasting to vehicular, portable and fixed receivers in the frequency range 30-3 000 MHz	20-Oct-95
BS.1115	Low bit-rate audio coding	16-Nov-93
BS.1116-1	Methods for the subjective assessment of small impairments in audio systems including multichannel sound systems	24-Oct-97
BS.1194-2	System for multiplexing frequency modulation (FM) sound broadcasts with a sub-carrier data channel having a relatively large transmission capacity for stationary and mobile reception	14-Dec-98
BS.1195	Transmitting antenna characteristics at VHF and UHF	20-Oct-95
BS.1196	Audio coding for digital terrestrial television broadcasting	20-Oct-95
BS.1283	Subjective assessment of sound quality - A guide to existing recommendations	24-Oct-97
BS.1284	Methods for the subjective assessment of sound quality – General requirements	24-Oct-97
BS.1285	Pre-selection methods for the subjective assessment of small impairments in audio systems	24-Oct-97
BS.1286	Methods for the subjective assessment of audio systems with accompanying picture	24-Oct-97
BS.1348	Service requirements for digital sound broadcasting to vehicular, portable and fixed receivers using terrestrial transmitters in the LF, MF and HF bands	10-Feb-98
BS.1349	Implementation of digital sound broadcasting to vehicular, portable and fixed receivers using terrestrial transmitters in the LF, MF and HF bands	10-Feb-98
BS.1350-1	Systems requirements for multiplexing (FM) sound broadcasting with a sub-carrier data channel having a relatively large transmission capacity for stationary and mobile reception	14-Dec-98
BS.1386	LF and MF transmitting antenna characteristics and diagrams	14-Dec-98
BS.1387	Method for objective measurements of perceived audio quality	14-Dec-98
BS.1423	Guidelines for producing multichannel soundtracks using surround matrix techniques	21-Dec-99

***BT Series : Broadcasting service (television)***

<b><i>Rec no.</i></b>	<b><i>Recommendation Name</i></b>	<b><i>Date</i></b>
BT.266-1	Phase pre-correction of television transmitters	08-Mar-92
BT.417-4	Minimum field strengths for which protection may be sought in planning a television service	08-Mar-92
BT.419-3	Directivity and polarization discrimination of antennas in the reception of television broadcasting	08-Mar-92
BT.470-6	Conventional television systems	30-Nov-98
BT.471-1	Nomenclature and description of colour bar signals	01-Jul-86
BT.472-3	Video-frequency characteristics of a television system to be used for the international exchange of programmes between countries that have adopted 625-line colour or monochrome systems	01-Jun-90
BT.500-10	Methodology for the subjective assessment of the quality of television pictures	06-Mar-00
BT.565	Protection ratios for 625-line television against radionavigation transmitters operating in the shared bands between 582 and 606 MHz	01-Jul-78
BT.601-5	Studio encoding parameters of digital television for standard 4:3 and wide-screen 16:9 aspect ratios	20-Oct-95
BT.653-3	Teletext systems	10-Feb-98
BT.654	Subjective quality of television pictures in relation to the main impairments of the analogue composite television signal	01-Jul-86
BT.655-6	Radio-frequency protection ratios for AM vestigial sideband terrestrial television systems interfered with by unwanted analogue vision signals and their associated sound signals	06-Mar-00
BT.656-4	Interfaces for digital component video signals in 525-line and 625-line television systems operating at the 4:2:2 level of Recommendation ITU-R BT.601 (Part A)	10-Feb-98
BT.709-4	Parameter values for the HDTV standards for production and international programme exchange	06-Mar-00
BT.710-4	Subjective assessment methods for image quality in high-definition television	30-Nov-98
BT.711-1	Synchronizing reference signals for the component digital studio	01-Jun-90
BT.796	Parameters for enhanced compatible coding systems based on 625-line PAL and SECAM television systems	08-Mar-92
BT.797-1	Parameters for 4:3 enhanced television systems that are NTSC-compatible	16-Nov-93
BT.798-1	Digital terrestrial television broadcasting in the VHF/UHF bands	16-Nov-93
BT.799-3	Interfaces for digital component video signals in 525-line and 625-line television systems operating at the 4:4:4 level of Recommendation ITU-R BT.601 (Part A)	10-Feb-98
BT.800-2	User requirements for the transmission through contribution and primary distribution networks of digital television signals defined according to the 4:2:2 standard of Recommendation ITU-R BT.601 (Part A)	20-Oct-95
BT.801-1	Test signals for digitally encoded colour television signals conforming with Recommendations ITU-R BT.601 (Part A) and ITU.R BT.656	20-Oct-95
BT.802-1	Test pictures and sequences for subjective assessments of digital codecs conveying signals produced according to Recommendation ITU-R BT.601	16-Nov-93
BT.803	The avoidance of interference generated by digital television studio equipment	08-Mar-92
BT.804	Characteristics of TV receivers essential for frequency planning with PAL/SECAM/NTSC television systems	08-Mar-92
BT.805	Assessment of impairment caused to television reception by a wind turbine	08-Mar-92

*BT Series : Broadcasting service (television)*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
BT.806	Common channel raster for the distribution of D-MAC, D2-MAC and HD-MAC signals in collective antenna and cable distribution systems	08-Mar-92
BT.807	Reference model for data broadcasting	08-Mar-92
BT.808	The broadcasting of time and date information in coded form	08-Mar-92
BT.809	Programme delivery control (PDC) system for video recording	08-Mar-92
BT.810	Conditional-access broadcasting systems	08-Mar-92
BT.811-1	The subjective assessment of enhanced PAL and SECAM systems	16-Nov-93
BT.812	Subjective assessment of the quality of alphanumeric and graphic pictures in Teletext and similar services	08-Mar-92
BT.813	Methods for objective picture quality assessment in relation to impairments from digital coding of television signals	08-Mar-92
BT.814-1	Specifications and alignment procedures for setting of brightness and contrast of displays	16-Nov-93
BT.815-1	Specification of a signal for measurement of the contrast ratio of displays	16-Nov-93
BT.1117-2	Studio format parameters for enhanced 16:9 aspect ratio 625-line television systems (D- and D2-MAC, PALplus, enhanced SECAM)	24-Oct-97
BT.1118-1	Enhanced compatible widescreen television based on conventional television systems	24-Oct-97
BT.1119-2	Wide-screen signalling for broadcasting (Signalling for wide-screen and other enhanced television parameters)	10-Feb-98
BT.1120-3	Digital interfaces for HDTV studio signals	06-Mar-00
BT.1121-1	User requirements for the transmission through contribution and primary distribution network of digital HDTV signals	20-Oct-95
BT.1122-1	User requirements for emission and secondary distribution systems for SDTV, HDTV and hierarchical coding schemes	20-Oct-95
BT.1123	Planning methods for 625-line terrestrial television in VHF/UHF bands	16-Nov-93
BT.1124-2	Reference signals for ghost cancelling in analogue television systems	10-Feb-98
BT.1125	Basic objectives for the planning and implementation of digital terrestrial television broadcasting systems	16-Nov-93
BT.1126	Data transmission protocols and transmission control scheme for data broadcasting systems using a data channel in satellite television broadcasting	16-Nov-93
BT.1127	Relative quality requirements of television broadcast systems	16-Nov-93
BT.1128-2	Subjective assessment of conventional television systems	24-Oct-97
BT.1129-2	Subjective assessment of standard definition digital television (SDTV) systems	10-Feb-98
BT.1197-1	Enhanced wide-screen PAL TV transmission system (the PALplus system)	10-Feb-98
BT.1198	Stereoscopic television based on R- and L-eye two channel signals	20-Oct-95
BT.1199	Use of bit-rate reduction in the HDTV studio environment	20-Oct-95
BT.1200-1	Target standard for digital video systems for the studio and for international programme exchange	10-Feb-98
BT.1201	Extremely high resolution imagery	20-Oct-95
BT.1202	Displays for future television systems	20-Oct-95



***BT Series : Broadcasting service (television)***

<b><i>Rec no.</i></b>	<b><i>Recommendation Name</i></b>	<b><i>Date</i></b>
BT.1203	User requirements for generic bit-rate reduction coding of digital TV signals (SDTV, EDTV and HDTV) for an end-to-end television system	20-Oct-95
BT.1204	Measuring methods for digital video equipment with analogue input/output	20-Oct-95
BT.1205	User requirements for the quality of baseband SDTV and HDTV signals when transmitted by digital satellite news gathering (SNG)	20-Oct-95
BT.1206	Spectrum shaping limits for digital terrestrial television broadcasting	20-Oct-95
BT.1207-1	Data access methods for digital terrestrial television broadcasting	24-Oct-97
BT.1208-1	Video coding for digital terrestrial television broadcasting	24-Oct-97
BT.1209-1	Service multiplex methods for digital terrestrial television broadcasting	24-Oct-97
BT.1210-1	Test materials to be used in subjective assessment	24-Oct-97
BT.1298	Enhanced wide-screen NTSC TV transmission system	24-Oct-97
BT.1299	The basic elements of a worldwide common family of systems for digital terrestrial television broadcasting	24-Oct-97
BT.1300-1	Service multiplex, transport, and identification methods for digital terrestrial television broadcasting	06-Mar-00
BT.1301	Data services in digital terrestrial television broadcasting	24-Oct-97
BT.1302	Interfaces for digital component video signals in 525-line and 625-line television systems operating at the 4:2:2 level of Recommendation ITU-R BT.601 (Part B)	24-Oct-97
BT.1303	Interfaces for digital component video signals in 525-line and 625-line television systems operating at the 4:4:4 level of Recommendation ITU-R BT.601 (Part B)	24-Oct-97
BT.1304	Checksum for error detection and status information in interfaces conforming with Recommendations ITU-R BT.656 and ITU-R BT.799	24-Oct-97
BT.1305	Digital audio and auxiliary data as ancillary data signals in interfaces conforming to Recommendations ITU-R BT.656 and ITU-R BT.799	24-Oct-97
BT.1306	Error-correction, data framing, modulation and emission methods for digital terrestrial television broadcasting	24-Oct-97
BT.1358	Studio parameters of 625 and 525 line progressive scan television systems	10-Feb-98
BT.1359-1	Relative timing of sound and vision for broadcasting	30-Nov-98
BT.1360	Capture characteristics for high-definition images	10-Feb-98
BT.1361	Worldwide unified colorimetry and related characteristics of future television and imaging systems	10-Feb-98
BT.1362	Interfaces for digital component video signals in 525- and 625-line progressive scan television systems	10-Feb-98
BT.1363-1	Jitter specifications and methods for jitter measurements of bit-serial signals conforming to Recommendations ITU-R BT.656, ITU-R BT.799 and ITU-R BT.1120	30-Nov-98
BT.1364	Format of ancillary data signals carried in digital component studio interfaces	10-Feb-98
BT.1365	24-bit digital audio format as ancillary data signals in HDTV serial interfaces	10-Feb-98
BT.1366	Transmission of time code and control code in the ancillary data space of a digital television stream according to ITU-R BT.656, ITU-R BT.799 and ITU-R BT.1120	10-Feb-98
BT.1367	Serial digital fibre transmission system for signals conforming to ITU-R BT.656, ITU-R BT.799 and ITU-R BT.1120	10-Feb-98
BT.1368-2	Planning criteria for digital terrestrial television services in the VHF/UHF bands	06-Mar-00

***BT Series : Broadcasting service (television)***

<b><i>Rec no.</i></b>	<b><i>Recommendation Name</i></b>	<b><i>Date</i></b>
BT.1369	Basic principles for a worldwide common family of systems for the provision of interactive television services	10-Feb-98
BT.1377	Labelling of video and audio apparatus throughput (processing) delay	30-Nov-98
BT.1378	Basic requirements for multimedia-hypermedia broadcasting	30-Nov-98
BT.1379	Framing of wide-screen 16:9 and standard 4:3 aspect ratio productions to achieve a common production format during a transition period to wide-screen 16:9 production and broadcasting	30-Nov-98
BT.1380	Standards for bit rate reduction coding systems for SDTV	30-Nov-98
BT.1381	SDI-based transport interface for compressed television signals in networked television production based on Recommendations ITU-R BT.656 and ITU-R BT.1302	30-Nov-98
BT.1382	Assessment of the picture quality of multi-programme services	30-Nov-98
BT.1434	Network independent protocols for interactive systems	06-Mar-00
BT.1435	Digital sound and television broadcasting interaction channel through the PSTN/ISDN	06-Mar-00
BT.1436	Transmission systems for interactive cable television services	06-Mar-00
BT.1437	User requirements for digital coding for multi-programme television transmission	06-Mar-00
BT.1438	Subjective assessment of stereoscopic television pictures	06-Mar-00
BT.1439	Measurement methods applicable in the analogue television studio and the overall analogue television system	06-Mar-00

*F Series : Fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
F.106-2	The use of diversity for voice-frequency telegraphy on HF radio circuits	25-May-99
F.162-3	Use of directional transmitting antennas in the fixed service operating in bands below about 30 MHz	08-Mar-92
F.240-6	Signal-to-interference protection ratios for various classes of emission in the fixed service below about 30 MHz	08-Mar-92
F.246-3	Frequency-shift keying	01-Jul-74
F.268-1	Interconnection at audio frequencies of radio-relay systems for telephony	01-Jul-70
F.270-2	Interconnection at video signal frequencies of radio-relay systems for television	01-Jul-78
F.275-3	Pre-emphasis characteristic for frequency modulation radio-relay systems for telephony using frequency-division multiplex	01-Jul-82
F.276-2	Frequency deviation and the sense of modulation for analogue radio-relay systems for television	01-Jul-74
F.283-5	Radio-frequency channel arrangements for low and medium capacity analogue or digital radio-relay systems operating in the 2 GHz band	01-Jun-90
F.290-3	Maintenance measurements on radio-relay systems for telephony using frequency-division multiplex	01-Jul-78
F.302-3	Limitation of interference from trans-horizon radio-relay systems	28-May-97
F.305	Stand-by arrangements for radio-relay systems for television and telephony	01-Jul-59
F.306	Procedure for the international connection of radio-relay systems with different characteristics	01-Jul-59
F.338-2	Bandwidth required at the output of a telegraph or telephone receiver	01-Jul-70
F.339-6	Bandwidths, signal-to-noise ratios and fading allowances in complete systems	01-Jul-86
F.342-2	Automatic error-correcting system for telegraph signals transmitted over radio circuits	01-Jul-70
F.345	Telegraph distortion	01-Jul-63
F.347	Classification of multi-channel radiotelegraph systems for long-range circuits operating at frequencies below about 30 MHz and the designation of the channels in these systems	01-Jul-63
F.348-4	Arrangement of channels in multi-channel single-sideband and independent-sideband transmitters for long-range circuits operating at frequencies below about 30 MHz	01-Jun-90
F.349-5	Frequency stability required for systems operating in the HF fixed service to make the use of automatic frequency control superfluous	25-May-99
F.380-4	Interconnection at baseband frequencies of radio-relay systems for telephony using frequency-division multiplex	01-Jul-86
F.381-2	Conditions relating to line regulating and other pilots and to limits for the residues of signals outside the baseband in the interconnection of radio-relay and line systems for telephony	01-Jul-70
F.382-7	Radio-frequency channel arrangements for radio-relay systems operating in the 2 and 4 GHz bands	30-Sep-97
F.383-6	Radio-frequency channel arrangements for high capacity radio-relay systems operating in the lower 6 GHz band	12-Feb-99
F.384-7	Radio-frequency channel arrangements for medium and high capacity analogue or digital radio-relay systems operating in the upper 6 GHz band	12-Feb-99
F.385-6	Radio-frequency channel arrangements for radio-relay systems operating in the 7 GHz band	16-Nov-93

*F Series : Fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
F.386-6	Radio-frequency channel arrangements for medium and high capacity analogue or digital radio-relay systems operating in the 8 GHz band	12-Feb-99
F.387-8	Radio-frequency channel arrangements for radio-relay systems operating in the 11 GHz band	12-Feb-99
F.388	Radio-frequency channel arrangements for trans-horizon radio-relay systems	01-Jul-63
F.389-2	Preferred characteristics of auxiliary radio-relay systems operating in the 2, 4, 6 or 11 GHz bands	01-Jul-74
F.390-4	Definitions of terms and references concerning hypothetical reference circuits and hypothetical reference digital paths for radio-relay systems	01-Jul-82
F.391	Hypothetical reference circuit for radio-relay systems for telephony using frequency-division multiplex with a capacity of 12 to 60 telephone channels	01-Jul-63
F.392	Hypothetical reference circuit for radio-relay systems for telephony using frequency-division multiplex with a capacity of more than 60 telephone channels	01-Jul-63
F.393-4	Allowable noise power in the hypothetical reference circuit for radio-relay systems for telephony using frequency-division multiplex	01-Jul-82
F.395-2	Noise in the radio portion of circuits to be established over real radio-relay links for FDM telephony	01-Jul-78
F.396-1	Hypothetical reference circuit for trans-horizon radio-relay systems for telephony using frequency-division multiplex	01-Jul-66
F.397-3	Allowable noise power in the hypothetical reference circuit of trans-horizon radio-relay systems for telephony using frequency-division multiplex	01-Jul-78
F.398-3	Measurements of noise in actual traffic over radio-relay systems for telephony using frequency-division multiplex	01-Jul-74
F.399-3	Measurement of noise using a continuous uniform spectrum signal on frequency-division multiplex telephony radio-relay systems	01-Jul-78
F.400-2	Service channels to be provided for the operation and maintenance of radio-relay systems	01-Jul-70
F.401-2	Frequencies and deviations of continuity pilots for frequency modulation radio-relay systems for television and telephony	01-Jul-70
F.402-2	The preferred characteristics of a single sound channel simultaneously transmitted with a television signal on an analogue radio-relay system	01-Jul-78
F.403-3	Intermediate-frequency characteristics for the interconnection of analogue radio-relay systems	01-Jul-78
F.404-2	Frequency deviation for analogue radio-relay systems for telephony using frequency-division multiplex	01-Jul-70
F.405-1	Pre-emphasis characteristics for frequency modulation radio-relay systems for television	01-Jul-70
F.436-5	Arrangement of voice-frequency, frequency-shift telegraph channels over HF radio circuits	25-May-99
F.444-3	Preferred characteristics for multi-line switching arrangements of analogue radio-relay systems	01-Jul-82
F.454-1	Pilot carrier level for HF single-sideband and independent-sideband reduced-carrier systems	01-Jul-78
F.463-1	Limits for the residues of signals outside the baseband of radio-relay systems for television	01-Jul-78
F.497-6	Radio-frequency channel arrangements for radio-relay systems operating in the 13 GHz frequency band	12-Feb-99
F.518-1	Single-channel simplex ARQ telegraph system	16-Nov-93

*F Series : Fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
F.519	Single-channel duplex ARQ telegraph system	01-Jul-78
F.555-1	Permissible noise in the hypothetical reference circuit of radio-relay systems for television	28-May-97
F.556-1	Hypothetical reference digital path for radio-relay systems which may form part of an integrated services digital network with a capacity above the second hierarchical level	01-Jul-86
F.557-4	Availability objective for radio-relay systems over a hypothetical reference circuit and a hypothetical reference digital path	30-Sep-97
F.592-2	Terminology used for radio-relay systems	01-Jun-90
F.593	Noise in real circuits of multi-channel trans-horizon FM radio-relay systems of less than 2 500 km	01-Jul-82
F.594-4	Error performance objectives of the hypothetical reference digital path for radio-relay systems providing connections at a bit rate below the primary rate and forming part or all of the high grade portion of an integrated services digital network	30-Sep-97
F.595-6	Radio-frequency channel arrangements for radio-relay systems operating in the 18 GHz frequency band	12-Feb-99
F.596-1	Interconnection of digital radio-relay systems	16-Nov-93
F.612	Measurement of reciprocal mixing in HF communication receivers in the fixed service	01-Jul-86
F.613	The use of ionospheric channel sounding systems operating in the fixed service at frequencies below about 30 MHz	01-Jul-86
F.634-4	Error performance objectives for real digital radio-relay links forming part of the high-grade portion of international digital connections at a bit rate below the primary rate within an integrated services digital network	30-Sep-97
F.635-5	Radio-frequency channel arrangements based on a homogeneous pattern for radio-relay systems operating in the 4 GHz band	12-Feb-99
F.636-3	Radio-frequency channel arrangements for radio-relay systems operating in the 15 GHz band	16-Nov-93
F.637-3	Radio-frequency channel arrangements for radio-relay systems operating in the 23 GHz band	12-Feb-99
F.695	Availability objectives for real digital radio-relay links forming part of a high-grade circuit within an integrated services digital network	01-Jun-90
F.696-2	Error performance and availability objectives for hypothetical reference digital sections forming part or all of the medium-grade portion of an ISDN connection at a bit rate below the primary rate utilizing digital radio-relay systems	30-Sep-97
F.697-2	Error performance and availability objectives for the local-grade portion at each end of an ISDN connection at a bit rate below the primary rate utilizing digital radio-relay systems	30-Sep-97
F.698-2	Preferred frequency bands for trans-horizon radio-relay systems	16-Nov-93
F.699-5	Reference radiation patterns for line-of-sight radio-relay system antennas for use in coordination studies and interference assessment in the frequency range from 1 to about 70 GHz	05-May-00
F.700-2	Error performance and availability measurement algorithm for digital radio-relay links at the system bit-rate interface	16-Nov-93
F.701-2	Radio-frequency channel arrangements for analogue and digital point-to-multipoint radio systems operating in frequency bands in the range 1.350 to 2.690 GHz (1.5, 1.8, 2.0, 2.2, 2.4 and 2.6 GHz)	30-Sep-97
F.745	CCIR Recommendations for analogue radio-relay systems	01-Jan-91
F.746-4	Radio-frequency channel arrangements for radio-relay systems	25-May-99

*F Series : Fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
F.747	Radio-frequency channel arrangements for radio-relay systems operating in the 10 GHz band	08-Mar-92
F.748-3	Radio-frequency channel arrangements for radio-relay systems operating in the 25, 26 and 28 GHz bands	25-May-99
F.749-1	Radio-frequency channel arrangements for radio-relay systems in the 38 GHz band	16-Nov-93
F.751-2	Transmission characteristics and performance requirements of radio-relay systems for SDH-based networks	30-Sep-97
F.752-1	Diversity techniques for radio-relay systems	16-Nov-93
F.753	Preferred methods and characteristics for the supervision and protection of digital radio-relay systems	08-Mar-92
F.754	Radio-relay systems in bands 8 and 9 for the provision of telephone trunk connections in rural areas	08-Mar-92
F.755-2	Point-to-multipoint systems used in the fixed service	25-May-99
F.756	TDMA point-to-multipoint systems used as radio concentrators	08-Mar-92
F.757-2	Basic system requirements and performance objectives for fixed wireless access using mobile-derived technologies offering basic telephony services	25-May-99
F.759	The use of frequencies in the band 500 to 3 000 MHz for radio-relay systems	08-Mar-92
F.760-1	Protection of terrestrial line-of-sight radio-relay systems against interference from the broadcasting-satellite service in the bands near 20 GHz	16-Nov-93
F.761	Frequency sharing between the fixed service and passive sensors in the band 18.6 to 18.8 GHz	08-Mar-92
F.762-2	Main characteristics of remote control and monitoring systems for HF receiving and transmitting stations	20-Oct-95
F.763-4	Data transmission over HF circuits using phase shift keying or quadrature amplitude modulation	25-May-99
F.764-1	Minimum requirements for HF radio systems using a packet transmission protocol	16-Nov-93
F.1092-1	Error performance objectives for constant bit rate digital path at or above the primary rate carried by digital radio-relay systems which may form part of the international portion of a 27 500 km hypothetical reference path	30-Sep-97
F.1093-1	Effects of multipath propagation on the design and operation of line-of-sight digital radio-relay systems	30-Sep-97
F.1094-1	Maximum allowable error performance and availability degradations to digital radio-relay systems arising from interference from emissions and radiations from other sources	20-Oct-95
F.1095	A procedure for determining coordination area between radio-relay stations of the fixed service	16-Nov-93
F.1096	Methods of calculating line-of-sight interference into radio-relay systems to account for terrain scattering	16-Nov-93
F.1098-1	Radio-frequency channel arrangements for radio-relay systems in the 1 900-2 300 MHz band	20-Oct-95
F.1099-3	Radio-frequency channel arrangements for high-capacity digital radio-relay systems in the 5 GHz (4 400-5 000 MHz) band	12-Feb-99
F.1101	Characteristics of digital radio-relay systems below about 17 GHz	16-Nov-93
F.1102	Characteristics of radio-relay systems operating in frequency bands above about 17 GHz	16-Nov-93
F.1103	Radio-relay systems operating in bands 8 and 9 for the provision of subscriber telephone connections in rural areas	16-Nov-93

*F Series : Fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
F.1104	Requirements for point-to-multipoint radio systems used in the local grade portion of an ISDN connection	16-Nov-93
F.1105	Transportable fixed radiocommunications equipment for relief operations	16-Nov-93
F.1106	Effects of propagation on the design and operation of trans-horizon radio-relay systems	16-Nov-93
F.1107	Probabilistic analysis for calculating interference into the fixed service from satellites occupying the geostationary orbit	16-Nov-93
F.1108-2	Determination of the criteria to protect fixed service receivers from the emissions of space stations operating in non-geostationary orbits in shared frequency bands	30-Sep-97
F.1110-2	Adaptive radio systems for frequencies below about 30 MHz	30-Sep-97
F.1111-1	Improved Lincompex system for HF radiotelephone circuits	20-Oct-95
F.1112-1	Digitized speech transmissions for systems operating below about 30 MHz	20-Oct-95
F.1113	Radio systems employing meteor-burst propagation	16-Nov-93
F.1189-1	Error performance objectives for constant bit rate digital paths at or above the primary rate carried by digital radio-relay systems which may form part or all of the national portion of a 27 500 km hypothetical reference path	30-Sep-97
F.1190	Protection criteria for digital radio-relay systems to ensure compatibility with radar systems in the radiodetermination service	20-Oct-95
F.1191-1	Bandwidths and unwanted emissions of digital radio-relay systems	30-Sep-97
F.1192	Traffic capacity of automatically controlled radio systems and networks in the HF fixed service	20-Oct-95
F.1241	Performance degradation due to interference from other services sharing the same frequency bands on a primary basis with digital radio-relay systems operating at or above the primary rate and which may form part of the international portion of a 27 500 km hypothetical reference path	28-May-97
F.1242	Radio-frequency channel arrangements for digital radio systems operating in the range 1 350 MHz to 1 530 MHz	28-May-97
F.1243	Radio-frequency channel arrangements for digital radio systems operating in the range 2 290-2 670 MHz	28-May-97
F.1244	Radio local area networks (RLANs)	28-May-97
F.1245-1	Mathematical model of average radiation patterns for line-of-sight point-to-point radio-relay system antennas for use in certain coordination studies and interference assessment in the frequency range from 1 to about 70 GHz	05-May-00
F.1246	Reference bandwidth of receiving stations in the fixed service to be used in coordination of frequency assignments with transmitting space stations in the mobile-satellite service in the 1-3 GHz range	28-May-97
F.1248	Limiting interference to satellites in the space science services from the emissions of trans-horizon radio-relay systems in the bands 2 025-2 110 MHz and 2 200-2 290 MHz	28-May-97
F.1330-1	Performance limits for bringing into service of the parts of international plesiochronous digital hierarchy and synchronous digital hierarchy paths and sections implemented by digital radio-relay systems	25-May-99
F.1331	Performance degradation due to interference from other services sharing the same frequency bands on a primary basis with analogue radio-relay systems for television	30-Sep-97
F.1332-1	Radio-frequency signal transport through optical fibres	25-May-99
F.1333-1	Estimation of the actual elevation angle from a station in the fixed service towards a space station taking into account atmospheric refraction	25-May-99

*F Series : Fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
F.1334	Protection criteria for systems in the fixed service sharing the same frequency bands in the 1 to 3 GHz range with the land mobile service	30-Sep-97
F.1335	Technical and operational considerations in the phased transitional approach for bands shared between the mobile-satellite service and the fixed service at 2 GHz	30-Sep-97
F.1336-1	Reference radiation patterns of omnidirectional, sectoral and other antennas in point-to-multipoint systems for use in sharing studies in the frequency range from 1 to about 70 GHz	05-May-00
F.1337	Frequency management of adaptive HF radio systems and networks using FMCW oblique-incidence sounding	30-Sep-97
F.1338	Threshold levels to determine the need to coordinate between particular systems in the broadcasting-satellite service (sound) in the geostationary-satellite orbit for space-to-Earth transmissions and the fixed service in the band 1 452–1 492 MHz	24-Oct-97
F.1397	Error performance objectives for real digital radio links used in the international portion of a 27 500 km hypothetical reference path at or above the primary rate	25-May-99
F.1398	Performance degradation due to interference from other services sharing the same frequency bands on a primary basis with digital radio-relay systems operating at or above the primary rate and which may form part of the national portion of a 27 500 km hypothetical reference path	25-May-99
F.1399	Vocabulary of terms for wireless access	25-May-99
F.1400	Performance and availability requirements and objectives for fixed wireless access to public switched telephone network	25-May-99
F.1401	Frequency bands for fixed wireless access systems and the identification methodology	25-May-99
F.1402	Frequency sharing criteria between a land mobile wireless access system and a fixed wireless access system using the same equipment type as the mobile wireless access system	25-May-99
F.1403	Power flux-density criteria in ITU-R Recommendations for protection of systems in the fixed service shared with space stations of various space services	25-May-99
F.1404	Minimum propagation attenuation due to atmospheric gases for use in frequency sharing studies between systems in the fixed service and systems in the broadcasting-satellite, mobile-satellite and space science services	25-May-99
F.1405	Guidance to facilitate coordination and use of frequency bands shared between the fixed service and mobile-satellite service in the frequency range 1-3 GHz	25-May-99
F.1488	Frequency block arrangements for fixed wireless access (FWA) systems in the range 3 400-3 800 MHz	05-May-00
F.1489	A methodology for assessing the level of operational compatibility between fixed wireless access (FWA) and radiolocation systems when sharing the band 3.4-3.7 GHz	05-May-00
F.1491	Error performance objectives for real digital radio links used in the national portion of a 27 500 km hypothetical reference path at or above the primary rate	05-May-00
F.1492	Availability objectives for real digital radio-relay links forming part of international portion constant bit rate digital path at or above the primary rate	05-May-00
F.1493	Availability objectives for real digital radio-relay links forming part of national portion constant bit rate digital path at or above the primary rate	05-May-00
F.1494	Interference criteria to protect the fixed service from time varying aggregate interference from other services sharing the 10.7-12.75 GHz band on a co-primary basis	05-May-00
F.1495	Interference criteria to protect the fixed service from time varying aggregate interference from other services sharing the 17.7-19.3 GHz band on a co-primary basis	05-May-00
F.1496	Radio-frequency channel arrangement for radio-relay systems in the fixed service operating in the band 51.4-52.6 GHz	05-May-00



*F Series : Fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
F.1497	Radio-frequency channel arrangements for systems in the fixed service operating in the band 55.78-59 GHz	05-May-00
F.1498	Deployment characteristics of fixed service systems in the band 37-40 GHz for use in sharing studies	05-May-00
F.1500	Preferred characteristics of systems in the fixed service using high altitude platforms operating in the bands 47.2-47.5 GHz and 47.9-48.2 GHz	05-May-00
F.1501	Coordination distance for systems in the fixed service involving high-altitude platform stations sharing the frequency bands 47.2-47.5 GHz and 47.9-48.2 GHz with other systems in the fixed service	05-May-00
F.1502	Protection of the fixed service in the frequency band 8 025-8 400 MHz sharing with geostationary-satellite systems of the Earth exploration-satellite service (space-to-Earth)	05-May-00

*IS Series : Inter-service sharing and compatibility*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
IS.847-1	Determination of the coordination area of an earth station operating with a geostationary space station and using the same frequency band as a system in a terrestrial service	25-Apr-93
IS.848-1	Determination of the coordination area of a transmitting earth station using the same frequency band as receiving earth stations in bidirectionally allocated frequency bands	25-Apr-93
IS.849-1	Determination of the coordination area for earth stations operating with non-geostationary spacecraft in bands shared with terrestrial services	25-Apr-93
IS.850-1	Coordination areas using predetermined coordination distances	20-Oct-95
IS.851-1	Sharing between the broadcasting service and the fixed and/or mobile services in the VHF and UHF bands	25-Apr-93
IS.1009-1	Compatibility between the sound-broadcasting service in the band of about 87-108 MHz and the aeronautical services in the band 108-137 MHz	20-Oct-95
IS.1140	Test procedures for measuring aeronautical receiver characteristics used for determining compatibility between the sound-broadcasting service in the band of about 87-108 MHz and the aeronautical services in the band 108-118 MHz	20-Oct-95

*M Series : Mobile, radiodetermination, amateur and related satellite services*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
M.218-2	Prevention of interference to radio reception on board ships	01-Jun-90
M.219-1	Alarm signal for use on the maritime radiotelephony distress frequency of 2 182 kHz	01-Jul-66
M.257-3	Sequential Single Frequency selective-calling system for use in the maritime mobile service	20-Oct-95
M.428-3	Direction-finding and/or homing in the 2 MHz band on board ships	01-Jun-90
M.441-1	Signal-to-interference ratios and minimum field strengths required in the aeronautical mobile (R) service above 30 MHz	01-Jul-82
M.476-5	Direct-printing telegraph equipment in the maritime mobile service	20-Oct-95
M.478-5	Technical characteristics of equipment and principles governing the allocation of frequency channels between 25 and 3 000 MHz for the FM land mobile service	20-Oct-95
M.488-1	Equivalent powers of double-sideband and single-sideband radiotelephone emissions in the maritime mobile service	01-Jun-90
M.489-2	Technical characteristics of VHF radiotelephone equipment operating in the maritime mobile service in channels spaced by 25 kHz	20-Oct-95
M.490	The introduction of direct-printing telegraph equipment in the maritime mobile service. Equivalence of terms	01-Jul-74
M.491-1	Translation between an identity number and identities for direct-printing telegraphy in the maritime mobile service	01-Jul-86
M.492-6	Operational procedures for the use of direct-printing telegraph equipment in the maritime mobile service	20-Oct-95
M.496-3	Limits of power flux-density of radionavigation transmitters to protect space station receivers in the fixed-satellite service in the 14 GHz band	08-Mar-92
M.539-3	Technical and operational characteristics of international radio-paging systems	16-Nov-93
M.540-2	Operational and technical characteristics for an automated direct-printing telegraph system for promulgation of navigational and meteorological warnings and urgent information to ships	01-Jun-90
M.541-8	Operational procedures for the use of digital selective-calling equipment in the maritime mobile service	24-Oct-97
M.542-1	On-board communications by means of portable radiotelephone equipment	01-Jul-82
M.546-2	Hypothetical telephone reference circuit in the aeronautical, land and maritime mobile-satellite services	01-Jun-90
M.547	Noise objectives in the hypothetical reference circuit for systems in the maritime mobile-satellite service	01-Jul-78
M.548	Overall transmission characteristics of telephone circuits in the maritime mobile-satellite service	01-Jul-78
M.549-1	Side tone reference equivalent of handset used on board a ship in the maritime mobile-satellite service and in automated VHF/UHF maritime mobile radiotelephone systems	01-Jul-82
M.550-1	Use of echo suppressors in the maritime mobile-satellite service	01-Jul-86
M.552	Quality objectives for 50-baud start-stop telegraph transmission in the maritime mobile-satellite service	01-Jul-78
M.553	Interface requirements for 50-baud start-stop telegraph transmission in the maritime mobile-satellite service	01-Jul-78
M.584-2	Codes and formats for radio paging	29-Nov-97
M.585-2	Assignment and use of maritime mobile service identities	01-Jun-90

*M Series : Mobile, radiodetermination, amateur and related satellite services*

<b>Rec no.</b>	<b>Recommendation Name</b>	<b>Date</b>
M.586-1	Automated VHF/UHF maritime mobile telephone system	01-Jul-86
M.587-1	Coast station identities and initiation of location registration in an automated VHF/UHF maritime mobile telephone system	01-Jul-86
M.588	Characteristics of maritime radio beacons (Region 1)	01-Jul-82
M.589-2	Interference to radionavigation services from other services in the frequency bands between 70 kHz and 130 kHz	08-Mar-92
M.622	Technical and operational characteristics of analogue cellular systems for public land mobile telephone use	01-Jul-86
M.623	Data transmission bit rates and modulation techniques in the land mobile service	01-Jul-86
M.624	Public land mobile communication systems location registration	01-Jul-86
M.625-3	Direct-printing telegraph equipment employing automatic identification in the maritime mobile service	20-Oct-95
M.626	Evaluation of the quality of digital channels in the maritime mobile service	01-Jul-86
M.627-1	Technical characteristics for HF maritime radio equipment using narrow-band phase-shift keying (NBPSK) telegraphy	20-Oct-95
M.628-3	Technical characteristics for search and rescue radar transponders	16-Nov-93
M.629	Use of the radionavigation service of the frequency bands 2 900-3 100 MHz, 5 470-5 650 MHz, 9 200-9 300 MHz, 9 300-9 500 MHz and 9 500-9 800 MHz	01-Jul-86
M.630	Main characteristics of two frequency shipborne interrogator transponders (SIT)	01-Jul-86
M.631-1	Use of hyperbolic maritime radionavigation systems in the band 283.5-315 kHz	08-Mar-92
M.632-3	Transmission characteristics of a satellite emergency position-indicating radio beacon (satellite EPIRB) system operating through geostationary satellites in the 1.6 GHz band	28-Feb-97
M.687-2	International Mobile Telecommunications-2000 (IMT-2000)	28-Feb-97
M.688	Technical characteristics for a high frequency direct-printing telegraph system for promulgation of high seas and NAVTEX-type maritime safety information	01-Jun-90
M.689-2	International maritime VHF radiotelephone system with automatic facilities based on DSC signalling format	16-Nov-93
M.690-1	Technical characteristics of emergency position-indicating radio beacons (EPIRBs) operating on the carrier frequencies of 121.5 MHz and 243 MHz	20-Oct-95
M.691-1	Technical characteristics and compatibility criteria of maritime radiolocation systems operating in the medium frequency band and using spread-spectrum techniques	08-Mar-92
M.692	Narrow-band direct-printing telegraph equipment using a single-frequency channel	01-Jun-90
M.693	Technical characteristics of VHF emergency position-indicating radio beacons using digital selective calling (DSC VHF EPIRB)	01-Jun-90
M.694	Reference radiation pattern for ship earth station antennas	01-Jun-90
M.816-1	Framework for services supported on International Mobile Telecommunications-2000 (IMT-2000)	24-Oct-97
M.817	International Mobile Telecommunications-2000 (IMT-2000). Network architectures	08-Mar-92
M.818-1	Satellite operation within International Mobile Telecommunications-2000 (IMT-2000)	16-Nov-93
M.819-2	International Mobile Telecommunications-2000 (IMT-2000) for developing countries	28-Feb-97
M.820	Use of 9-digit identities for narrow-band direct-printing telegraphy in the maritime mobile service	08-Mar-92

*M Series : Mobile, radiodetermination, amateur and related satellite services*

<b>Rec no.</b>	<b>Recommendation Name</b>	<b>Date</b>
M.821-1	Optional expansion of the digital selective-calling system for use in the maritime mobile service	28-Feb-97
M.822-1	Calling-channel loading for digital selective calling (DSC) for the maritime mobile service	16-Nov-93
M.823-2	Technical characteristics of differential transmissions for Global Navigation Satellite Systems from maritime radio beacons in the frequency band 283.5-315 kHz in Region 1 and 285-325 kHz in Regions 2 and 3	24-Oct-97
M.824-2	Technical parameters of radar beacons (RACONS)	20-Oct-95
M.825-3	Characteristics of a transponder system using digital selective calling techniques for use with vessel traffic services and ship-to-ship identification	31-Oct-98
M.826	Transmission of information for updating electronic chart display and information systems (ECDIS)	08-Mar-92
M.827	Hypothetical reference digital path for systems in the mobile-satellite service using feeder links	08-Mar-92
M.828-1	Definition of availability for communication circuits in the mobile-satellite service (MSS)	16-Nov-93
M.830	Operational procedures for mobile-satellite networks or systems in the bands 1 530-1 544 MHz and 1 626.5-1 645.5 MHz which are used for distress and safety purposes as specified for GMDSS	08-Mar-92
M.831	Frequency sharing between services in the band 4-30 MHz	08-Mar-92
M.1032	Technical and operational characteristics of land mobile systems using multi-channel access techniques without a central controller	16-Nov-93
M.1033-1	Technical and operational characteristics of cordless telephones and cordless telecommunication systems	28-Feb-97
M.1034-1	Requirements for the radio interface(s) for International Mobile Telecommunications-2000 (IMT-2000)	28-Feb-97
M.1035	Framework for the radio interface(s) and radio sub-system functionality for International Mobile Telecommunications-2000 (IMT-2000)	16-Nov-93
M.1036-1	Spectrum considerations for implementation of International Mobile Telecommunications-2000 (IMT-2000) in the bands 1 885-2 025 MHz and 2 110-2 200 MHz	14-Jan-99
M.1037	Bit error performance objectives for aeronautical mobile-satellite (R) service (AMS(R)S) radio link	16-Nov-93
M.1038	Efficient use of the geostationary-satellite orbit and spectrum in the 1-3 GHz frequency range by mobile-satellite systems	16-Nov-93
M.1040	Public mobile telecommunication service with aircraft using the bands 1 670-1 675 MHz and 1 800-1 805 MHz	16-Nov-93
M.1041-1	Future amateur radio systems (FARS)	31-Oct-98
M.1042-1	Disaster communications in the amateur and amateur-satellite services	31-Oct-98
M.1043-1	Use of the amateur and amateur-satellite services in developing countries	31-Oct-98
M.1044-1	Frequency sharing criteria in the amateur and amateur-satellite services	31-Oct-98
M.1072	Interference due to intermodulation products in the land mobile service between 25 and 3 000 MHz	16-Nov-93
M.1073-1	Digital cellular land mobile telecommunication systems	28-Feb-97
M.1074	Integration of public mobile radiocommunication systems	16-Nov-93
M.1075	Leaky feeder systems in the land mobile services	16-Nov-93

*M Series : Mobile, radiodetermination, amateur and related satellite services*

<b>Rec no.</b>	<b>Recommendation Name</b>	<b>Date</b>
M.1076	Wireless communication systems for persons with impaired hearing	16-Nov-93
M.1077	Multi-transmitter radio systems using quasi-synchronous (simulcast) transmission for analogue speech	16-Nov-93
M.1078	Security principles for International Mobile Telecommunications-2000 (IMT-2000)	16-Nov-93
M.1079-1	Performance and quality of service requirements for international mobile telecommunications-2000 (IMT-2000)	05-May-00
M.1080	Digital selective calling system enhancement for multiple equipment installations	16-Nov-93
M.1081	Automatic HF facsimile and data system for maritime mobile users	16-Nov-93
M.1082-1	International maritime MF/HF radiotelephone system with automatic facilities based on DSC signalling format	24-Oct-97
M.1083	Interworking of maritime radiotelephone systems	16-Nov-93
M.1084-3	Interim solutions for improved efficiency in the use of the band 156-174 MHz by stations in the maritime mobile service	31-Oct-98
M.1085-1	Technical and operational characteristics of wind profiler radars for bands in the vicinity of 400 MHz	28-Feb-97
M.1086	Determination of the need for coordination between geostationary mobile satellite networks sharing the same frequency bands	16-Nov-93
M.1087	Methods for evaluating sharing between systems in the land mobile service and spread-spectrum low-Earth orbit (LEO) systems in the mobile-satellite service (MSS) below 1 GHz	16-Nov-93
M.1088	Considerations for sharing with systems of other services operating in the bands allocated to the radionavigation satellite service	16-Nov-93
M.1089	Technical considerations for the coordination of mobile-satellite systems supporting the aeronautical mobile-satellite (R) service (AMS(R)S)	16-Nov-93
M.1090	Frequency plans for satellite transmission of single channel per carrier (SCPC) carriers using non-linear transponders in the mobile-satellite service	16-Nov-93
M.1091	Reference off-axis radiation patterns for mobile earth station antennas operating in the land mobile-satellite service in the frequency range 1 to 3 GHz	16-Nov-93
M.1141-1	Sharing in the 1-3 GHz frequency range between non-geostationary space stations operating in the mobile-satellite service and the fixed service	24-Oct-97
M.1142-1	Sharing in the 1-3 GHz frequency range between geostationary space stations operating in the mobile-satellite service and the fixed service	24-Oct-97
M.1143-1	System specific methodology for coordination of non-geostationary space stations (space-to-Earth) operating in the mobile-satellite service with the fixed service	24-Oct-97
M.1167	Framework for the satellite component of International Mobile Telecommunications-2000 (IMT-2000)	20-Oct-95
M.1168	Framework of International Mobile Telecommunications-2000 (IMT-2000)	20-Oct-95
M.1169	Hours of service of ship stations	20-Oct-95
M.1170	Morse telegraphy procedures in the maritime mobile service	20-Oct-95
M.1171	Radiotelephony procedures in the maritime mobile service	20-Oct-95
M.1172	Miscellaneous abbreviations and signals to be used for radiocommunications in the maritime mobile service	20-Oct-95
M.1173	Technical characteristics of single-sideband transmitters used in the maritime mobile service for radiotelephony in the bands between 1 606.5 kHz (1 605 kHz Region 2) and 4 000 kHz and between 4 000 kHz and 27 500 kHz	20-Oct-95

*M Series : Mobile, radiodetermination, amateur and related satellite services*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
M.1174-1	Technical characteristics of equipment used for on-board vessel communications in the bands between 450 and 470 MHz	31-Oct-98
M.1175	Automatic receiving equipment for radiotelegraph and radiotelephone alarm signals	20-Oct-95
M.1176	Technical parameters of radar target enhancers	20-Oct-95
M.1178	Use of the maritime radionavigation band 283.5-315 kHz (Region 1) and 285-325 kHz (Regions 2 and 3)	20-Oct-95
M.1179	Procedures for determining the interference coupling mechanisms and mitigation options for systems operating in bands adjacent to and in harmonic relationship with radar stations in the radiodetermination service	20-Oct-95
M.1180	Availability of communication circuits in the aeronautical mobile-satellite (R) services (AMS(R)S)	20-Oct-95
M.1181	Minimum performance objectives for narrow-band digital channels using geostationary satellites to serve transportable and vehicular mobile earth stations in the 1-3 GHz range, not forming part of the ISDN	20-Oct-95
M.1182	Integration of terrestrial and satellite mobile communication systems	20-Oct-95
M.1183	Permissible levels of interference in a digital channel of a geostationary network in mobile-satellite service in 1-3 GHz caused by other networks of this service and fixed-satellite service	20-Oct-95
M.1184-1	Technical characteristics of mobile satellite systems in the frequency bands below 3 GHz for use in developing criteria for sharing between the mobile-satellite service (MSS) and other services	05-May-00
M.1185-1	Method for determining coordination distance between ground based mobile earth stations and terrestrial stations operating in the 148.0-149.9 MHz band	24-Oct-97
M.1186	Technical considerations for the coordination between mobile-satellite service (MSS) networks utilizing code division multiple access (CDMA) and other spread spectrum techniques in the 1-3 GHz band	20-Oct-95
M.1187	A method for the calculation of the potentially affected region for a mobile-satellite service (MSS) network in the 1-3 GHz range using circular orbits	20-Oct-95
M.1188	Impact of propagation on the design of non-GSO mobile-satellite systems not employing satellite diversity which provide service to handheld equipment	20-Oct-95
M.1221	Technical and operational requirements for cellular multimode mobile radio stations	28-Feb-97
M.1222	Transmission of data messages on shared private land mobile radio channels	28-Feb-97
M.1223	Evaluation of security mechanisms for IMT-2000	28-Feb-97
M.1224	Vocabulary of terms for International Mobile Telecommunications-2000 (IMT-2000)	28-Feb-97
M.1225	Guidelines for evaluation of radio transmission technologies for IMT-2000	28-Feb-97
M.1226	Technical and operational characteristics of wind profiler radars in bands in the vicinity of 50 MHz	28-Feb-97
M.1228	Methodology for determining performance objectives for narrow-band channels in mobile satellite systems using geostationary satellites not forming part of the ISDN	28-Feb-97
M.1229	Performance objectives for the digital aeronautical mobile-satellite service (AMSS) channels operating in the bands 1 525 to 1 559 MHz and 1 626.5 to 1 660.5 MHz not forming part of the ISDN	28-Feb-97
M.1230	Performance objectives for space-to-Earth links operating in the mobile-satellite service with non-geostationary satellites in the 137-138 MHz band	28-Feb-97
M.1231	Interference criteria for space-to-Earth links operating in the mobile-satellite service with non-geostationary satellites in the 137-138 MHz band	28-Feb-97

*M Series : Mobile, radiodetermination, amateur and related satellite services*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
M.1232	Sharing criteria for space-to-Earth links operating in the mobile-satellite service with non-geostationary satellites in the 137-138 MHz band	28-Feb-97
M.1233	Technical considerations for sharing satellite network resources between the mobile-satellite service (MSS) (other than the aeronautical mobile-satellite (R) service (AMS(R)S)) and AMS(R)S	28-Feb-97
M.1234	Permissible level of interference in a digital channel of a geostationary satellite network in the aeronautical mobile-satellite (R) service (AMS(R)S) in the bands 1 545 to 1 555 MHz and 1 646.5 to 1 656.5 MHz and its associated feeder links caused by other networks of this service and the fixed-satellite service	28-Feb-97
M.1307	Automatic determination of location and guidance in the land mobile services	24-Oct-97
M.1308	Evolution of land mobile systems towards IMT-2000	24-Oct-97
M.1309	Digitally coded speech in the land mobile service	24-Oct-97
M.1310	Transport information and control systems (TICS) - Objectives and requirements	24-Oct-97
M.1311	Framework for modularity and radio commonality within IMT-2000	24-Oct-97
M.1312	A long-term solution for improved efficiency in the use of the band 156-174 MHz by stations in the maritime mobile service	24-Oct-97
M.1314	Reduction of spurious emissions of radar systems operating in the 3 GHz and 5 GHz bands	24-Oct-97
M.1315	Methodology for evaluating interference from narrow-band mobile-satellite networks to spread-spectrum direct-sequence mobile-satellite networks operating with space stations in low-Earth orbit at frequencies below 1 GHz	24-Oct-97
M.1316	Principles and a methodology for frequency sharing in the 1 610.6-1 613.8 and 1 660-1 660.5 MHz bands between the mobile-satellite service (Earth-to-space) and the radio astronomy service	24-Oct-97
M.1317	Considerations for sharing between systems of other services operating in bands allocated to the radionavigation-satellite and aeronautical radionavigation services and the global navigation satellite system (GLONASS-M)	24-Oct-97
M.1318	Interference protection evaluation model for the radionavigation-satellite service in the 1 559-1 610 MHz band	24-Oct-97
M.1319-1	The basis of a methodology to assess the impact of interference from a time division multiple access/frequency division multiple access (TDMA/FDMA) mobile-satellite service (MSSs) satellite system operating in the 2 GHz range on the performance of line-of-sight fixed service receivers	05-May-00
M.1343	Essential technical requirements of mobile Earth stations for global non-geostationary mobile-satellite service systems in the band 1-3 GHz	29-Nov-97
M.1371	Technical characteristics for a universal shipborne automatic identification system using time division multiple access in the VHF maritime mobile band	31-Oct-98
M.1372	Efficient use of the radio spectrum by radar stations in the radiodetermination service	31-Oct-98
M.1388	Threshold levels to determine the need to coordinate between space stations in the broadcasting-satellite service (sound) and particular systems in the land mobile service in the band 1 452-1 492 MHz	14-Jan-99
M.1389	Methods for achieving coordinated use of spectrum by multiple non-geostationary mobile-satellite service systems below 1 GHz and sharing with other services in existing mobile-satellite service allocations	14-Jan-99
M.1390	Methodology for the calculation of IMT-2000 terrestrial spectrum requirements	14-Jan-99
M.1391	Methodology for the calculation of IMT-2000 satellite spectrum requirements	14-Jan-99
M.1455	Key characteristics for the International Mobile Telecommunications-2000 (IMT-2000) radio interfaces	05-May-00



*M Series : Mobile, radiodetermination, amateur and related satellite services*

<b>Rec no.</b>	<b>Recommendation Name</b>	<b>Date</b>
M.1456	Minimum performance characteristics (HAPS) and operational conditions for high altitude platform stations providing IMT-2000 in the bands 1 885-1 980 MHz, 2 010-2 025 MHz and 2 110-2 170 MHz in Regions 1 and 3 and 1 885-1 980 MHz and 2 110-2 160 MHz in Region 2	05-May-00
M.1457	Detailed specifications of the radio interfaces of IMT-2000	05-May-00
M.1460	Technical and operational characteristics and protection criteria of radiodetermination and meteorological radars in the 2 900-3 100 MHz band	05-May-00
M.1461	Procedures for determining the potential for interference between radars operating in the radiodetermination service and systems in other services	05-May-00
M.1462	Characteristics of and protection criteria for radars operating in the radiolocation service in the frequency range 420-450 MHz	05-May-00
M.1463	Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency band 1 215-1 400 MHz	05-May-00
M.1464	Characteristics of and protection criteria for radionavigation and meteorological radars operating in the frequency band 2 700-2 900 MHz	05-May-00
M.1465	Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency band 3 100-3 700 MHz	05-May-00
M.1466	Characteristics of, and protection criteria for radars operating in the radionavigation service in the frequency band 31.8-33.4 GHz	05-May-00
M.1469	Methodology for evaluating potential for interference from time division multiple access/frequency division multiple access (TDMA/FDMA) mobile-satellite service (MSS) (Earth-to-space) transmissions into line-of-sight fixed service receivers in the 2 GHz range	05-May-00
M.1470	Methodology of sharing between MSS systems (Earth-to-space) and existing rns systems (space-to-Earth) in frequency bands 149.9-150.05 MHz and 399.9-400.05 MHz	05-May-00
M.1471	Guidance to facilitate coordination and use of frequency bands shared between the mobile-satellite service and the fixed service in the frequency range 1-3 GHz	05-May-00
M.1472	Methodology to evaluate the impact of interference from time division multiple access/frequency division multiple access (TDMA/FDMA) mobile-satellite service (MSS) systems operating in the 2 GHz range on baseband performance in frequency division multiplexing-frequency modulation (FDM-FM) analogue line-of-sight (LOS) fixed service receivers	05-May-00
M.1473	Methodology to evaluate the impact of interference from time division multiple access/frequency division multiple access (TDMA/FDMA) mobile-satellite service (MSS) systems operating in the 2 GHz range on video baseband performance in TV-FM analogue line-of-sight fixed service receivers	05-May-00
M.1474	Methodology to evaluate the impact of interference from time division multiple access/frequency division multiple access (TDMA/FDMA) mobile-satellite service (MSS) systems operating in the 2 GHz range on baseband performance in digital line-of-sight fixed service receivers based on statistics of radio-frequency interference	05-May-00
M.1480	Essential technical requirements of mobile Earth stations of geostationary mobile-satellite systems that are implementing the gmpcs-memorandum of understanding arrangements in parts of the frequency band 1-3 GHz	05-May-00

*P Series : Radiowave propagation*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
P.310-9	Definitions of terms relating to propagation in non-ionized media	16-Nov-93
P.311-9	Acquisition, presentation and analysis of data in studies of tropospheric propagation	15-Oct-99
P.313-9	Exchange of information for short-term forecasts and transmission of ionospheric disturbance warnings	07-Jul-99
P.341-5	The concept of transmission loss for radio links	15-Oct-99
P.368-7	Ground-wave propagation curves for frequencies between 10 kHz and 30 MHz	08-Mar-92
P.370-7	VHF and UHF propagation curves for the frequency range from 30 MHz to 1 000 MHz. Broadcasting services	20-Oct-95
P.371-8	Choice of indices for long-term ionospheric predictions	07-Jul-99
P.372-6	Radio noise	16-Nov-93
P.373-7	Definitions of maximum and minimum transmission frequencies	20-Oct-95
P.452-9	Prediction procedure for the evaluation of microwave interference between stations on the surface of the Earth at frequencies above about 0.7 GHz	15-Oct-99
P.453-7	The radio refractive index: its formula and refractivity data	15-Oct-99
P.525-2	Calculation of free-space attenuation	16-Nov-93
P.526-6	Propagation by diffraction	15-Oct-99
P.527-3	Electrical characteristics of the surface of the Earth	08-Mar-92
P.528-2	Propagation curves for aeronautical mobile and radionavigation services using the VHF, UHF and SHF bands	01-Jul-86
P.529-3	Prediction methods for the terrestrial land mobile service in the VHF and UHF bands	15-Oct-99
P.530-8	Propagation data and prediction methods required for the design of terrestrial line-of-sight systems	15-Oct-99
P.531-5	Ionospheric propagation data and prediction methods required for the design of satellite services and systems	07-Jul-99
P.532-1	Ionospheric effects and operational considerations associated with artificial modification of the ionosphere and the radio-wave channel	08-Mar-92
P.533-6	HF propagation prediction method	07-Jul-99
P.534-4	Method for calculating sporadic-E field strength	15-Oct-99
P.581-2	The concept of "worst month"	01-Jun-90
P.616	Propagation data for terrestrial maritime mobile services operating at frequencies above 30 MHz	01-Jul-86
P.617-1	Propagation prediction techniques and data required for the design of trans-horizon radio-relay systems	08-Mar-92
P.618-6	Propagation data and prediction methods required for the design of Earth-space telecommunication systems	15-Oct-99
P.619-1	Propagation data required for the evaluation of interference between stations in space and those on the surface of the Earth	08-Mar-92
P.620-4	Propagation data required for the evaluation of coordination distances in the frequency range 100 MHz to 105 GHz	15-Oct-99
P.676-4	Attenuation by atmospheric gases	15-Oct-99
P.678-1	Characterization of the natural variability of propagation phenomena	08-Mar-92

*P Series : Radiowave propagation*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
P.679-2	Propagation data required for the design of broadcasting-satellite systems	15-Oct-99
P.680-3	Propagation data required for the design of Earth-space maritime mobile telecommunication systems	15-Oct-99
P.681-4	Propagation data required for the design of Earth-space land mobile telecommunication systems	15-Oct-99
P.682-1	Propagation data required for the design of Earth-space aeronautical mobile telecommunication systems	08-Mar-92
P.684-1	Prediction of field strength at frequencies below about 500 kHz	16-Nov-93
P.832-2	World Atlas of Ground Conductivities	07-Jul-99
P.833-2	Attenuation in vegetation	15-Oct-99
P.834-3	Effects of tropospheric refraction on radiowave propagation	15-Oct-99
P.835-3	Reference standard atmospheres	15-Oct-99
P.836-1	Water vapour: surface density and total columnar content	28-Aug-97
P.837-2	Characteristics of precipitation for propagation modelling	15-Oct-99
P.838-1	Specific attenuation model for rain for use in prediction methods	15-Oct-99
P.839-2	Rain height model for prediction methods	15-Oct-99
P.840-3	Attenuation due to clouds and fog	15-Oct-99
P.841-1	Conversion of annual statistics to worst-months statistics	15-Oct-99
P.842-2	Computation of reliability and compatibility of HF radio systems	07-Jul-99
P.843-1	Communication by meteor-burst propagation	28-Aug-97
P.844-1	Ionospheric factors affecting frequency sharing in the VHF and UHF bands (30 MHz-3 GHz)	16-Nov-93
P.845-3	HF field-strength measurement	28-Aug-97
P.846-1	Measurements of ionospheric and related characteristics	20-Oct-95
P.1057	Probability distributions relevant to radio-wave propagation modelling	16-Nov-93
P.1058-2	Digital topographic databases for propagation studies	15-Oct-99
P.1060	Propagation factors affecting frequency sharing in HF terrestrial systems	16-Nov-93
P.1144-1	Guide to the application of the propagation methods of Radiocommunication Study Group 3	15-Oct-99
P.1146	The prediction of field strength for land mobile and terrestrial broadcasting services in the frequency range from 1 to 3 GHz	20-Oct-95
P.1147-1	Prediction of sky-wave field strength at frequencies between about 150 and 1 700 kHz	15-Oct-99
P.1148-1	Standardized procedure for comparing predicted and observed HF sky-wave signal intensities and the presentation of such comparisons	28-May-97
P.1238-1	Propagation data and prediction models for the planning of indoor radiocommunication systems and radio local area networks in the frequency range 900 MHz to 100 GHz	15-Oct-99
P.1239	ITU-R Reference ionospheric characteristics	28-May-97
P.1240	ITU-R Methods of basic MUF, operational MUF and ray-path prediction	28-May-97

*P Series : Radiowave propagation*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
P.1321	Propagation factors affecting systems using digital modulation techniques at LF and MF	28-Aug-97
P.1322	Radiometric estimation of atmospheric attenuation	28-Aug-97
P.1406	Propagation effects relating to terrestrial land mobile service in the VHF and UHF bands	07-Jul-99
P.1407	Multipath propagation and parameterization of its characteristics	07-Jul-99
P.1409	Propagation data and prediction methods required for the design of systems using high altitude platform stations at about 47 GHz	15-Oct-99
P.1410	Propagation data and prediction methods required for the design of terrestrial broadband millimetric radio access systems operating in a frequency range of about 20-50 GHz	15-Oct-99
P.1411	Propagation data and prediction methods for the planning of short-range outdoor radiocommunication systems and radio local area networks in the frequency range 300 MHz to 100 GHz	15-Oct-99
P.1412	Propagation data for the evaluation of coordination between Earth stations working in the bidirectionally allocated frequency bands	15-Oct-99

*RA Series : Radioastronomy*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
RA.314-8	Preferred frequency bands for radioastronomical measurements	08-Mar-92
RA.479-4	Protection of frequencies for radioastronomical measurements in the shielded zone of the Moon	20-Oct-95
RA.517-2	Protection of the radioastronomy service from transmitters in adjacent bands	08-Mar-92
RA.611-2	Protection of the radioastronomy service from spurious emissions	08-Mar-92
RA.769-1	Protection criteria used for radioastronomical measurements	20-Oct-95
RA.1031-1	Protection of the radioastronomy service in frequency bands shared with other services	20-Oct-95
RA.1237	Protection of the radio astronomy service from unwanted emissions resulting from applications of wideband digital modulation	18-Feb-97
RA.1272	Protection of radio astronomy measurements above 60 GHz from ground based interference	24-Oct-97
RA.1417	A radio-quiet zone in the vicinity of the L2 Sun-Earth Lagrange point	26-Oct-99

*S Series : Fixed-satellite service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
S.352-4	Hypothetical reference circuit for systems using analogue transmission in the fixed-satellite service	01-Jul-82
S.353-8	Allowable noise power in the hypothetical reference circuit for frequency-division multiplex telephony in the fixed-satellite service	16-Nov-93
S.354-2	Video bandwidth and permissible noise level in the hypothetical reference circuit for the fixed-satellite service	01-Jul-74
S.446-4	Carrier energy dispersal for systems employing angle modulation by analogue signals or digital modulation in the fixed-satellite service	25-Apr-93
S.464-2	Pre-emphasis characteristics for frequency-modulation systems for frequency-division multiplex telephony in the fixed-satellite service	08-Mar-92
S.465-5	Reference earth-station radiation pattern for use in coordination and interference assessment in the frequency range from 2 to about 30 GHz	25-Apr-93
S.466-6	Maximum permissible level of interference in a telephone channel of a geostationary-satellite network in the fixed-satellite service employing frequency modulation with frequency-division multiplex, caused by other networks of this service	08-Mar-92
S.481-2	Measurement of noise in actual traffic for systems in the fixed-satellite service for telephony using frequency-division multiplex	01-Jul-86
S.482-2	Measurement of performance by means of a signal of a uniform spectrum for systems using frequency-division multiplex telephony in the fixed-satellite service	01-Jul-86
S.483-3	Maximum permissible level of interference in a television channel of a geostationary-satellite network in the fixed-satellite service employing frequency modulation, caused by other networks of this service	28-May-97
S.484-3	Station-keeping in longitude of geostationary satellites in the fixed-satellite service	08-Mar-92
S.521-4	Hypothetical reference digital paths for systems using digital transmission in the fixed-satellite service	04-Jan-00
S.522-5	Allowable bit error ratios at the output of the hypothetical reference digital path for systems in the fixed-satellite service using pulse-code modulation for telephony	16-Nov-93
S.523-4	Maximum permissible levels of interference in a geostationary-satellite network in the fixed-satellite service using 8-bit PCM encoded telephony, caused by other networks of this service	08-Mar-92
S.579-4	Availability objectives for a hypothetical reference circuit and a hypothetical reference digital path when used for telephony using pulse code modulation, or as part of an integrated services digital network hypothetical reference connection, in the fixed-satellite service	18-Sep-97
S.580-5	Radiation diagrams for use as design objectives for antennas of earth stations operating with geostationary satellites	16-Nov-93
S.614-3	Allowable error performance for a hypothetical reference digital path in the fixed-satellite service operating below 15 GHz when forming part of an international connection in an integrated services digital network	16-Nov-93
S.670-1	Flexibility in the positioning of satellites as a design objective	08-Mar-92
S.671-3	Necessary protection ratios for narrow-band single channel-per-carrier transmissions interfered with by analogue television carriers	16-Nov-93
S.672-4	Satellite antenna radiation pattern for use as a design objective in the fixed-satellite service employing geostationary satellites	18-Sep-97
S.673	Terms and definitions relating to space radiocommunications	01-Jun-90
S.725	Technical characteristics for very small aperture terminals (VSATs)	08-Mar-92
S.726-1	Maximum permissible level of spurious emissions from very small aperture terminals (VSATs)	25-Apr-93
S.727	Cross-polarization isolation from very small aperture terminals (VSATs)	08-Mar-92

*S Series : Fixed-satellite service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
S.728-1	Maximum permissible level of off-axis e.i.r.p. density from very small aperture terminals (VSATs)	20-Oct-95
S.729	Control and monitoring function of very small aperture terminals (VSATs)	08-Mar-92
S.730	Compensation of the effects of switching discontinuities for voice band data and of Doppler frequency-shifts in the fixed-satellite service	08-Mar-92
S.731	Reference earth-station cross-polarized radiation pattern for use in frequency coordination and interference assessment in the frequency range from 2 to about 30 GHz	08-Mar-92
S.732	Method for statistical processing of earth-station antenna side-lobe peaks	08-Mar-92
S.733-2	Determination of the G/T ratio for Earth stations operating in the fixed-satellite service	04-Jan-00
S.734	The application of interference cancellers in the fixed-satellite service	08-Mar-92
S.735-1	Maximum permissible levels of interference in a geostationary-satellite network for an HRDP when forming part of the ISDN in the fixed-satellite service caused by other networks of this service below 15 GHz	25-Apr-93
S.736-3	Estimation of polarization discrimination in calculations of interference between geostationary-satellite networks in the fixed-satellite service	28-May-97
S.737	Relationship of technical coordination methods within the fixed-satellite service	08-Mar-92
S.738	Procedure for determining if coordination is required between geostationary-satellite networks sharing the same frequency bands	08-Mar-92
S.739	Additional methods for determining if detailed coordination is necessary between geostationary-satellite networks in the fixed-satellite service sharing the same frequency bands	08-Mar-92
S.740	Technical coordination methods for fixed-satellite networks	08-Mar-92
S.741-2	Carrier-to-interference calculations between networks in the fixed- satellite service	16-Nov-93
S.742-1	Spectrum utilization methodologies	25-Apr-93
S.743-1	The coordination between satellite networks using slightly inclined geostationary-satellite orbits (GSOs) and between such networks and satellite networks using non-inclined GSO satellites	16-Nov-93
S.744	Orbit/spectrum improvement measures for satellite networks having more than one service in one or more frequency bands	08-Mar-92
S.1001	Use of systems in the fixed-satellite service in the event of natural disasters and similar emergencies for warning and relief operations	25-Apr-93
S.1002	Orbit management techniques for the fixed-satellite service	25-Apr-93
S.1003	Environmental protection of the geostationary orbit	25-Apr-93
S.1061	Utilization of fade countermeasures strategies and techniques in the fixed-satellite service	16-Nov-93
S.1062-2	Allowable error performance for a hypothetical reference digital path operating at or above the primary rate	30-Nov-99
S.1063	Criteria for sharing between BSS feeder links and other Earth-to-space or space-to-Earth links on the FSS	16-Nov-93
S.1064-1	Pointing accuracy as a design objective for earthward antennas on board geostationary satellites in the FSS	20-Oct-95
S.1065	Power flux-density values to facilitate the application of RR Article 14 for the FSS in Region 2 in relation to the BSS in the band 11.7-12.2 GHz	16-Nov-93
S.1066	Ways of reducing the interference from the broadcasting-satellite service of one Region into the fixed-satellite service of another Region around 12 GHz	16-Nov-93

*S Series : Fixed-satellite service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
S.1067	Ways of reducing the interference from the broadcasting-satellite service into the fixed-satellite service in adjacent frequency bands around 12 GHz	16-Nov-93
S.1068	Fixed-satellite and radiolocation/radionavigation services sharing in the band 13.75-14 GHz	16-Nov-93
S.1069	Compatibility between the fixed-satellite service and the space science services in the band 13.75-14 GHz	16-Nov-93
S.1149-1	Network architecture and equipment functional aspects of digital satellite systems in the fixed-satellite service forming part of synchronous digital hierarchy transport networks	28-May-97
S.1150	Technical criteria to be used in examinations relating to the probability of harmful interference between frequency assignments in the FSS as required in No. 1506 of the Radio Regulations	20-Oct-95
S.1151	Sharing between the inter-satellite service involving geostationary satellites in the fixed-satellite service and the radionavigation service at 33 GHz	20-Oct-95
S.1250	Network management architecture for digital satellite systems forming part of SDH transport networks in the fixed-satellite service	28-May-97
S.1251	Network management – Performance management object class definitions for satellite systems network elements forming part of SFH transport networks in the fixed-satellite service	01-Jul-97
S.1252	Network management – Payload configuration object class definitions for satellite system network elements forming part of SDH transport networks in the fixed-satellite service	28-May-97
S.1253	Technical options to facilitate coordination of fixed-satellite service networks in certain orbital arc segments and frequency bands	28-May-97
S.1254	Best practices to facilitate the coordination process of fixed-satellite service satellite networks	28-May-97
S.1255	Use of adaptive uplink power control to mitigate codirectional interference between geostationary satellite orbit/fixed-satellite service (GSO/FSS) networks and feeder links of non-geostationary satellite orbit/mobile satellite service (non-GSO/MSS) networks and between GSO/FSS networks and non-GSO/FSS networks	28-May-97
S.1256	Methodology for determining the maximum aggregate power flux-density at the geostationary-satellite orbit in the band 6 700-7 075 MHz from feeder links of non-geostationary satellite systems in the mobile-satellite service in the space-to-Earth direction	28-May-97
S.1257-1	Analytical method to calculate short-term visibility and interference statistics for non-geostationary satellite orbit satellites as seen from a point on the Earth's surface	04-Jan-00
S.1323-1	Maximum permissible levels of interference in a satellite network (GSO/FSS; non-GSO/FSS; non-GSO/MSS feeder links) in the fixed-satellite service caused by other codirectional networks below 30 GHz	04-Jan-00
S.1324	Analytical method for estimating interference between non-geostationary mobile-satellite feeder links and geostationary fixed-satellite networks operating co-frequency and codirectionally	18-Sep-97
S.1325-1	Simulation methodologies for determining statistics of short-term interference between co-frequency, codirectional non-geostationary-satellite orbit (non-GSO) fixed-satellite service (FSS) networks and other non-GSO FSS or GSO FSS networks	04-Jan-00
S.1326	Feasibility of sharing between the inter-satellite service and the fixed-satellite service in the frequency band 50.4-51.4 GHz	18-Sep-97
S.1327	Requirements and suitable bands for operation of the inter-satellite service within the range 50.2-71 GHz	18-Sep-97
S.1328-2	Satellite system characteristics to be considered in frequency sharing analyses between geostationary-satellite orbit (GSO) and non-GSO satellite systems in the fixed-satellite service (FSS) including feeder links for the mobile-satellite service (MSS)	04-Jan-00



*S Series : Fixed-satellite service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
S.1329	Frequency sharing of the bands 19.7-20.2 GHz and 29.5-30.0 GHz between systems in the mobile-satellite service and systems in the fixed-satellite service	18-Sep-97
S.1339-1	Sharing between spaceborne passive sensors of the Earth exploration-satellite service and inter-satellite links of geostationary-satellite networks in the range 54.25 to 59.3 GHz	30-Nov-99
S.1340	Sharing between feeder links for the mobile-satellite service and the aeronautical radionavigation service in the Earth-to-space direction in the band 15.4-15.7 GHz	24-Oct-97
S.1341	Sharing between feeder links for the mobile-satellite service and the aeronautical radionavigation service in the space-to-Earth direction in the band 15.4-15.7 GHz and the protection of the radio astronomy service in the band 15.35-15.4 GHz	24-Oct-97
S.1342	Method for determining coordination distances, in the 5 GHz band, between the international standard microwave landing system in the aeronautical radionavigation service and non-geostationary mobile satellite service stations providing feeder uplink services	24-Oct-97
S.1418	Method for calculating single entry carrier-to-interference ratios for links in inter-satellite service using geostationary orbit	30-Nov-99
S.1419	Interference mitigation techniques to facilitate coordination between non-geostationary-satellite orbit mobile-satellite service feeder links and geostationary-satellite orbit fixed-satellite service networks in the bands 19.3-19.7 GHz and 29.1-29.5 GHz	30-Nov-99
S.1420	Performance for broadband integrated services digital network asynchronous transfer mode via satellite	30-Nov-99
S.1424	Availability objectives for a hypothetical reference digital path when used for the transmission of B-ISDN asynchronous transfer mode in the fixed-satellite service by geostationary orbit satellite systems using frequencies below 15 GHz	04-Jan-00
S.1425	Transmission considerations for digital carriers using higher levels of modulation on satellite circuits	04-Jan-00
S.1426	Aggregate power flux-density limits, at the FSS satellite orbit for radio local area network (RLAN) transmitters operating in the 5 150-5 250 MHz band sharing frequencies with the FSS (RR No. S5.447A)	04-Jan-00
S.1427	Methodology and criterion to assess interference from radio local area (RLAN) transmitters to non-GSO MSS feeder links in the band 5 150-5 250 MHz	04-Jan-00
S.1428	Reference FSS earth-station radiation patterns for use in interference assessment involving non-GSO satellites in frequency bands between 10.7 GHz and 30 GHz	04-Jan-00
S.1429	Error performance objectives due to internetwork interference between GSO and non-GSO FSS systems for hypothetical reference digital paths operating at or above the primary rate carried by systems using frequencies below 15 GHz	04-Jan-00
S.1430	Determination of the coordination area for Earth stations operating with non-geostationary space stations with respect to Earth stations operating in the reverse direction in frequency bands allocated bidirectionally to the fixed-satellite service	04-Jan-00
S.1431	Methods to enhance sharing between non-GSO FSS systems (except MSS feeder links) in the frequency bands between 10-30 GHz	04-Jan-00
S.1432	Apportionment of the allowable error performance degradations to fixed satellite service (FSS) hypothetical reference digital paths arising from time invariant interference for systems operating below 15 GHz	04-Jan-00
S.1433	Uplink and inter-satellite equivalent power flux-density radiated by non-GSO FSS Systems	04-Jan-00

*SA Series : Space applications*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
SA.363-5	Space operation systems. Frequencies, bandwidths and protection criteria	16-Nov-93
SA.364-5	Preferred frequencies and bandwidths for manned and unmanned near-Earth research satellites	08-Mar-92
SA.509-2	Generalized space research Earth station and radio astronomy antenna radiation pattern for use in interference calculations, including coordination procedures	10-Feb-98
SA.510-2	Feasibility of frequency sharing between the space research service and other services in bands near 14 and 15 GHz - Potential interference from data relay satellite systems	24-Oct-97
SA.514-3	Interference criteria for command and data transmission systems operating in the Earth exploration-satellite and meteorological-satellite services	24-Oct-97
SA.515-3	Frequency bands and bandwidths used for satellite passive sensing	26-Jun-97
SA.516-1	Feasibility of sharing between active sensors used on Earth exploration and meteorological satellites and the radiolocation service	16-Nov-93
SA.577-5	Preferred frequencies and necessary bandwidths for spaceborne active remote sensors	26-Jun-97
SA.609-1	Protection criteria for telecommunication links for manned and unmanned near-Earth research satellites	08-Mar-92
SA.1012	Preferred frequency bands for deep-space research in the 1-40 GHz range	16-Nov-93
SA.1013	Preferred frequency bands for deep-space research in the 40-120 GHz range	16-Nov-93
SA.1014	Telecommunication requirements for manned and unmanned deep-space research	16-Nov-93
SA.1015	Bandwidth requirements for deep-space research	16-Nov-93
SA.1016	Sharing considerations relating to deep-space research	16-Nov-93
SA.1017	Preferred method for calculating link performance in the space research service	16-Nov-93
SA.1018	Hypothetical reference system for systems comprising data relay satellites in the geostationary orbit and user spacecraft in low Earth-orbits	16-Nov-93
SA.1019	Preferred frequency bands and transmission directions for data relay satellite systems	16-Nov-93
SA.1020	Hypothetical reference system for the Earth exploration-satellite and meteorological satellite services	16-Nov-93
SA.1021	Methodology for determining performance objectives for systems in the Earth exploration-satellite and meteorological-satellite services	16-Nov-93
SA.1022-1	Methodology for determining interference criteria for systems in the Earth exploration-satellite and meteorological-satellite services	26-Oct-99
SA.1023	Methodology for determining sharing and coordination criteria for systems in the Earth exploration-satellite and meteorological-satellite services	16-Nov-93
SA.1024-1	Necessary bandwidths and preferred frequency bands for data transmission from Earth exploration satellites (not including meteorological satellites)	26-Jun-97
SA.1025-3	Performance criteria for space-to-Earth data transmission systems operating in the Earth exploration-satellite and meteorological-satellite services using satellites in low-Earth orbit	26-Oct-99
SA.1026-3	Interference criteria for space-to-Earth data transmission systems operating in the Earth exploration-satellite and meteorological-satellite services using satellites in low-Earth orbit	26-Oct-99
SA.1027-3	Sharing and coordination criteria for space-to-Earth data transmission systems in the Earth exploration-satellite and meteorological-satellite services using satellites in low-Earth orbit	26-Oct-99
SA.1028-1	Performance criteria for satellite passive remote sensing	26-Jun-97

*SA Series : Space applications*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
SA.1029-1	Interference criteria for satellite passive remote sensing	26-Jun-97
SA.1030	Telecommunication requirements of satellite systems for geodesy and geodynamics	16-Nov-93
SA.1071	Use of the 13.75 to 14.0 GHz band by the space science services and the fixed satellite service	16-Nov-93
SA.1154	Provisions to protect the space research (SR), space operations (SO) and Earth-exploration satellite services (EES) and to facilitate sharing with the mobile service in the 2 025-2 110 and 2 200-2 290 MHz bands	20-Oct-95
SA.1155	Protection criteria related to the operation of data relay satellite systems	20-Oct-95
SA.1156	Methods of calculating low-orbit satellite visibility statistics	20-Oct-95
SA.1157	Protection criteria for deep-space research	20-Oct-95
SA.1158-2	Sharing of the 1 675-1 710 MHz band between the meteorological-satellite service (space-to-Earth) and the mobile-satellite service (Earth-to-space)	26-Oct-99
SA.1159-2	Performance criteria for data dissemination and direct data readout systems in the Earth exploration-satellite service and meteorological-satellite services using satellites in geostationary orbit	26-Oct-99
SA.1160-2	Interference criteria for data dissemination and direct data readout systems in the Earth exploration-satellite and meteorological-satellite services using satellites in geostationary orbit	26-Oct-99
SA.1161-1	Sharing and coordination criteria for data dissemination and direct data readout systems in the Earth exploration-satellite and meteorological-satellite services using satellites in geostationary orbit	26-Oct-99
SA.1162-1	Telecommunication requirements and performance criteria for service links in data collection and platform location systems in the Earth exploration- and meteorological-satellite services	26-Jun-97
SA.1163-2	Interference criteria for service links in data collection systems in the Earth exploration-satellite and meteorological-satellite services	26-Oct-99
SA.1164-2	Sharing and coordination criteria for service links in data collection systems in the Earth exploration-satellite and meteorological-satellite services	26-Oct-99
SA.1165-1	Technical characteristics and performance criteria for radiosonde systems in the meteorological aids service	26-Jun-97
SA.1166-2	Performance and interference criteria for active spaceborne sensors	26-Oct-99
SA.1236	Frequency sharing between space research service extra-vehicular activity (EVA) links and fixed and mobile service links in the 410-420 MHz band	18-Feb-97
SA.1258-1	Sharing of the frequency band 401-403 MHz between the meteorological-satellite service, Earth exploration-satellite service and meteorological Aids service	26-Oct-99
SA.1259	Feasibility of sharing between spaceborne passive sensors and the fixed service from 50 to 60 GHz	26-Jun-97
SA.1260	Feasibility of sharing between active spaceborne sensors and other services in the vicinity of 410-470 MHz	26-Jun-97
SA.1261	Feasibility of sharing between spaceborne cloud radars and other services in the range of 92-95 GHz	26-Jun-97
SA.1262	Sharing and coordination criteria for meteorological aids in the 400.15-406 MHz and 1 668.4-1 700 MHz bands	26-Jun-97
SA.1263	Interference criteria for meteorological aids operated in the 400.15-406 MHz and 1 668.4-1 700 MHz bands	26-Jun-97
SA.1264	Frequency sharing between the meteorological aids service and the mobile-satellite service (Earth-to-space) in the 1 675-1 700 MHz band	26-Jun-97

*SA Series : Space applications*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
SA.1273	Power flux-density levels from the space research, space operation and Earth exploration-satellite services at the surface of the Earth required to protect the fixed service in the bands 2 025-2 110 MHz and 2 200-2 290 MHz	24-Oct-97
SA.1274	Criteria for data relay satellite networks to facilitate sharing with systems in the fixed service in the bands 2 025-2 110 MHz and 2 200-2 290 MHz	24-Oct-97
SA.1275	Orbital locations of data relay satellites to be protected from the emissions of fixed service systems operating in the band 2 200-2 290 MHz	24-Oct-97
SA.1276	Orbital locations of data relay satellites to be protected from the emissions of fixed service systems operating in the band 25.25-27.5 GHz	24-Oct-97
SA.1277	Sharing in the 8 025-8 400 MHz frequency band between the Earth exploration-satellite service and the fixed, fixed-satellite, meteorological-satellite and mobile services in Regions 1, 2 and 3	24-Oct-97
SA.1278	Feasibility of sharing between the Earth exploration-satellite service (space-to-Earth) and the fixed, inter-satellite, and mobile services in the band 25.5-27.0 GHz	24-Oct-97
SA.1279	Spectrum sharing between spaceborne passive sensors and inter-satellite links in the range 50.2-59.3 GHz	24-Oct-97
SA.1280	Selection of active spaceborne sensor emission characteristics to mitigate the potential for interference to terrestrial radars operating in frequency bands 1-10 GHz	24-Oct-97
SA.1281	Protection of stations in the radiolocation service from emissions from active spaceborne sensors in the band 13.4-13.75 GHz	24-Oct-97
SA.1282	Feasibility of sharing between wind profiler radars and active spaceborne sensors in the vicinity of 1 260 MHz	24-Oct-97
SA.1344	Preferred frequency bands and bandwidths for the transmission of space VLBI data	10-Feb-98
SA.1345	Methods for predicting radiation patterns of large antennas used for space research and radio astronomy	10-Feb-98
SA.1346	Sharing between the meteorological aids service and medical implant communication systems (MICS) operating in the mobile service in the frequency band 401-406 MHz	10-Feb-98
SA.1347	Feasibility of sharing between radionavigation-satellite service receivers and the Earth exploration-satellite (active) and space research (active) services in the 1 215-1 260 MHz band	10-Feb-98
SA.1396	Protection criteria for the space research service in the 37-38 and 40-40.5 GHz bands	22-Apr-99
SA.1414	Characteristics of data relay satellite systems	26-Oct-99
SA.1415	Sharing between inter-satellite service systems in the frequency band 25.25-27.5 GHz	26-Oct-99
SA.1416	Sharing between spaceborne passive sensors and the inter-satellite service operating near 118 and 183 GHz	26-Oct-99
SA.1449	Feasibility of sharing between the fixed-satellite service (FSS) (space-to-Earth) and the Earth exploration-satellite (passive) and space research (passive) services in the band 18.6-18.8 GHz	05-May-00

*SF Series : Frequency sharing between the fixed-satellite service and the fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
SF.355-4	Frequency sharing between systems in the fixed-satellite service and radio-relay systems in the same frequency bands	08-Mar-92
SF.356-4	Maximum allowable values of interference from line-of-sight radio-relay systems in a telephone channel of a system in the fixed-satellite service employing frequency modulation, when the same frequency bands are shared by both systems	01-Jul-78
SF.357-4	Maximum allowable values of interference in a telephone channel of an analogue angle-modulated radio-relay system sharing the same frequency bands as systems in the fixed-satellite service	28-May-97
SF.358-5	Maximum permissible values of power flux-density at the surface of the Earth produced by satellites in the fixed-satellite service using the same frequency bands above 1 GHz as line-of-sight radio-relay systems	20-Oct-95
SF.406-8	Maximum equivalent isotropically radiated power of radio-relay system transmitters operating in the frequency bands shared with the fixed-satellite service	25-Apr-93
SF.558-2	Maximum allowable values of interference from terrestrial radio links to systems in the fixed-satellite service employing 8-bit PCM encoded telephony and sharing the same frequency bands	01-Jul-86
SF.615-1	Maximum allowable values of interference from the fixed-satellite service into terrestrial radio-relay systems which may form part of an ISDN and share the same frequency band below 15 GHz	28-May-97
SF.674-1	Power flux-density values to facilitate the application of Article 14 of the Radio Regulations for FSS in relation to the fixed-satellite service in the 11.7-12.2 GHz band in Region 2	28-May-97
SF.675-3	Calculation of the maximum power density (averaged over 4 kHz) of an angle-modulated carrier	16-Nov-93
SF.765	Intersection of radio-relay antenna beams with orbits used by space stations in the fixed-satellite service	08-Mar-92
SF.766	Methods for determining the effects of interference on the performance and the availability of terrestrial radio-relay systems and systems in the fixed-satellite service	08-Mar-92
SF.1004	Maximum equivalent isotropically radiated power transmitted towards the horizon by earth stations of the fixed-satellite service sharing frequency bands with the fixed service	25-Apr-93
SF.1005	Sharing between the fixed service and the fixed-satellite service with bidirectional usage in bands above 10 GHz currently unidirectionally allocated	25-Apr-93
SF.1006	Determination of the interference potential between earth stations of the fixed-satellite service and stations in the fixed service	25-Apr-93
SF.1008-1	Possible use by space stations in the fixed-satellite service of orbits slightly inclined with respect to the geostationary-satellite orbit in bands shared with the fixed service	20-Oct-95
SF.1193	Carrier-to-interference calculations between earth stations in the fixed-satellite service and radio-relay systems	20-Oct-95
SF.1320	Maximum allowable values of power flux-density at the surface of the Earth produced by non-geostationary satellites in the fixed-satellite service used in feeder links for the mobile-satellite service and sharing the same frequency bands with radio-relay systems	22-Aug-97
SF.1395	Minimum propagation attenuation due to atmospheric gases for use in frequency sharing studies between the fixed-satellite service and the fixed service	21-Mar-99
SF.1481	Frequency sharing between systems in the fixed service using high-altitude platform stations and satellite systems in the geostationary orbit in the fixed-satellite service in the bands 47.2-47.5 and 47.9-48.2 GHz	05-May-00
SF.1482	Maximum allowable values of power flux-density produced at the earth's surface by non-geostationary satellites in the fixed-satellite service operating in the 10.7-12.75 GHz band	05-May-00

*SF Series : Frequency sharing between the fixed-satellite service and the fixed service*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
SF.1483	Maximum allowable values of power flux-density produced at the earth's surface by non-geostationary satellites in the fixed-satellite service operating in the 17.7-19.3 GHz band	05-May-00
SF.1484	Maximum allowable values of power flux-density at the surface of the Earth produced by non-geostationary satellites in the fixed-satellite service operating in the 37.5-40.5 GHz and 40.5-42.5 GHz bands to protect the fixed service	05-May-00
SF.1485	Determination of the coordination area for Earth stations operating with non-geostationary space stations in the fixed-satellite service in bands shared with the fixed service	05-May-00

*SM Series : Spectrum management*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
SM.182-4	Automatic monitoring of occupancy of the radio-frequency spectrum	08-Mar-92
SM.239-2	Spurious emissions from sound and television broadcast receivers	01-Jul-78
SM.326-7	Determination and measurement of the power of amplitude-modulated radio transmitters	14-Nov-98
SM.328-10	Spectra and bandwidth of emissions	22-Dec-99
SM.329-8	Spurious emissions	25-Apr-00
SM.331-4	Noise and sensitivity of receivers	01-Jul-78
SM.332-4	Selectivity of receivers	01-Jul-78
SM.337-4	Frequency and distance separations	24-Oct-97
SM.377-3	Accuracy of frequency measurements at stations for international monitoring	16-Nov-93
SM.378-6	Field-strength measurements at monitoring stations	20-Oct-95
SM.433-5	Methods for the measurement of radio interference and the determination of tolerable levels of interference	08-Mar-92
SM.443-2	Bandwidth measurement at monitoring stations	20-Oct-95
SM.575	Protection of fixed monitoring stations against radio-frequency interference	01-Jul-82
SM.667	National spectrum management data	01-Jun-90
SM.668-1	Electronic exchange of information for spectrum management purposes	11-Mar-97
SM.669-1	Protection ratios for spectrum sharing investigations	16-Nov-93
SM.852	Sensitivity of radio receivers for class of emissions F3E	08-Mar-92
SM.853-1	Necessary bandwidth	24-Oct-97
SM.854	Direction finding at monitoring stations of signals below 30 MHz	08-Mar-92
SM.855-1	Multi-service telecommunication systems	24-Oct-97
SM.856-1	New spectrally efficient techniques and systems	11-Mar-97
SM.1045-1	Frequency tolerance of transmitters	01-Jul-97
SM.1046-1	Definition of spectrum use and efficiency of a radio system	24-Oct-97
SM.1047	National spectrum management	16-Nov-93
SM.1048	Design guidelines for a basic automated spectrum management system (BASMS)	16-Nov-93
SM.1049-1	A method of spectrum management to be used for aiding frequency assignment for terrestrial services in border areas	20-Oct-95
SM.1050	Tasks of a monitoring service	16-Nov-93
SM.1051-2	Priority of identifying and eliminating harmful interference in the band 406-406.1 MHz	01-Jul-97
SM.1052	Automatic identification of radio stations	16-Nov-93
SM.1053	Methods of improving HF direction-finding accuracy at fixed stations	16-Nov-93
SM.1054	Monitoring of radio emissions from spacecraft at monitoring stations	16-Nov-93
SM.1055	The use of spread spectrum techniques	16-Nov-93
SM.1056	Limitation of radiation from industrial, scientific and medical (ISM) equipment	16-Nov-93

*SM Series : Spectrum management*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
SM.1131	Factors to consider in allocating spectrum on a worldwide basis	20-Oct-95
SM.1132-1	General principles and methods for sharing between radiocommunication services or between radio stations	25-Apr-00
SM.1133	Spectrum utilization of broadly defined services	20-Oct-95
SM.1134	Intermodulation interference calculations in the land-mobile service	20-Oct-95
SM.1135	SINPO and SINPFEMO codes	20-Oct-95
SM.1138	Determination of necessary bandwidths including examples for their calculation and associated examples for the designation of emissions	20-Oct-95
SM.1139	International monitoring system	20-Oct-95
SM.1235	Performance functions for digital modulation systems in an interference environment	11-Mar-97
SM.1265	Alternative allocation methods	01-Jul-97
SM.1266	Adaptive MF/HF systems	01-Jul-97
SM.1267	Collection and publication of monitoring data to assist frequency assignment for geostationary satellite systems	01-Jul-97
SM.1268-1	Method of measuring the maximum frequency deviation of FM broadcast emissions at monitoring stations	23-Jan-99
SM.1269	Classification of direction finding bearings	01-Jul-97
SM.1270	Additional information for monitoring purposes related to classification and designation of emission	01-Jul-97
SM.1271	Efficient spectrum utilization using probabilistic methods	24-Oct-97
SM.1370	Design guidelines for developing advanced automated spectrum management systems (ASMS)	18-Feb-98
SM.1392-1	Essential requirements for a spectrum monitoring station for developing countries	25-Apr-00
SM.1393	Common formats for the exchange of information between monitoring stations	23-Jan-99
SM.1394	Common format for memorandum of understanding between the agreeing countries regarding cooperation in spectrum monitoring matters	23-Jan-99
SM.1413	Radiocommunication data dictionary	16-Oct-99
SM.1446	Definition and measurement of intermodulation products in transmitter using frequency, phase, or complex modulation techniques	25-Apr-00
SM.1447	Monitoring of the radio coverage of land mobile networks to verify compliance with a given licence	25-Apr-00



*SNG Series : Satellite news gathering*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
SNG.722-1	Uniform technical standards (analogue) for Satellite News Gathering (SNG)	08-Mar-92
SNG.770-1	Uniform operational procedures for Satellite News Gathering (SNG)	16-Nov-93
SNG.771-1	Auxiliary coordination satellite circuits for SNG terminals	25-Apr-93
SNG.1007-1	Uniform technical standards (digital) for Satellite News Gathering (SNG)	20-Oct-95
SNG.1070	An automatic transmitter identification system (ATIS) for analogue-modulation transmissions for Satellite News Gathering and outside broadcasts	16-Nov-93
SNG.1152	Use of digital transmission techniques for Satellite News Gathering (SNG) (sound)	20-Oct-95
SNG.1421	Common operating parameters to ensure interoperability for transmission of digital television news gathering	30-Nov-99

*TF Series : Time signals and frequency standards emissions*

<b><i>Rec no.</i></b>	<b><i>Recommendation Name</i></b>	<b><i>Date</i></b>
TF.374-5	Precise frequency and time-signal transmissions	22-Apr-99
TF.457-2	Use of the modified Julian date by the standard-frequency and time-signal services	24-Oct-97
TF.458-3	International comparisons of atomic time scales	10-Feb-98
TF.460-5	Standard-frequency and time-signal emissions	24-Oct-97
TF.486-2	Use of UTC frequency as reference in standard frequency and time signal emissions	10-Feb-98
TF.535-2	Use of the term UTC	10-Feb-98
TF.536-1	Time-scale notations	10-Feb-98
TF.538-3	Measures for random instabilities in frequency and time (phase)	16-Nov-93
TF.582-2	Time and frequency reference signal dissemination and coordination using satellite methods	10-Feb-98
TF.583-4	Time codes	26-Jun-97
TF.686-1	Glossary	24-Oct-97
TF.767-1	Use of the Global Positioning System (GPS) and the Global Navigation Satellite System (GLONASS) for high-accuracy time transfer	10-Feb-98
TF.768-3	Standard frequencies and time signals	26-Jun-97
TF.1010-1	Relativistic effects in a coordinate time system in the vicinity of the Earth	24-Oct-97
TF.1011-1	Systems, techniques and services for time and frequency transfer	24-Oct-97
TF.1153-1	The operational use of two-way satellite time and frequency transfer employing PN codes	26-Jun-97

*V Series : Vocabulary and related subjects*

<i>Rec no.</i>	<i>Recommendation Name</i>	<i>Date</i>
V.430-3	Use of the international system of units (SI)	01-Jun-90
V.461-5	Graphical symbols and rules for the preparation of documentation in telecommunications	25-Apr-93
V.608-2	Letter symbols for telecommunications	25-Apr-93
V.663-1	Use of certain terms linked with physical quantities	01-Jun-90
V.666-2	Abbreviations and initials used in telecommunications	25-Apr-93