
Regulations

Services Ancillary to Broadcast Production, Program Making & Special Events (PMSE)

Version 2.0

Document Date: 15 October 2018

Article (1)

Scope of Document

- 1.1 These regulations are issued in accordance with the provisions of the UAE Federal Law by Decree No 3 of 2003 (Telecom Law) as amended and its Executive Order.
- 1.2 These regulations comprises technical conditions for use of wireless equipment for the purposes of Programme Making, Special Events and Services Ancillary to Broadcasting and Production. These regulations shall be read in conjunction with the following regulatory instruments issued by the TRA and available from the TRA website at www.tra.gov.ae:
 - 1.2.1 Spectrum Allocation and Assignment Regulations
 - 1.2.2 Spectrum Fees Regulation
 - 1.2.3 Interference Management Regulations
 - 1.2.4 National Frequency Plan including National Table of Frequency Allocation.
 - 1.2.5 Earth Stations Regulations
 - 1.2.6 Ultra-Wide Band and Short Range Devices Regulations

Article (2)

Definitions

- 2.1 The terms, words and phrases used in these Regulations shall have the same meaning as is ascribed to them in the UAE Federal Law by Decree No 3 of 2003 (Telecom Law) as amended and its Executive Order; unless these Regulations expressly provide otherwise for, or the context in which those terms, words and phrases are used in these Regulations indicates otherwise. The following terms and words shall be interpreted, as follows:
 - 2.1.1 “**Applicant**” means any Person who has applied for a License or an Authorization in accordance with the Telecom Law or other Regulatory Instruments issued by the Authority.
 - 2.1.2 “**Application**” means the request for issuance of a License or an Authorization, received at the Authority on prescribed forms as per the procedure in vogue.
 - 2.1.3 “**Application Fees**” means the fees paid for the request for processing a new, renew or modification of a License or an Authorization, received at the TRA as per the procedure.
 - 2.1.4 “**Authorization**” or “**Frequency Spectrum Authorization**” means a valid frequency spectrum authorization issued by the TRA and permits the use of radio frequency subject to terms and conditions as stipulated by the TRA.

TRA Regulations for Services Ancillary to Broadcast Production, Program Making & Special Events (PMSE), Version 2.0

- 2.1.5 “**Authority**” or “**TRA**” means the General Authority for Regulating the Telecommunication Sector of the UAE known as Telecommunications Regulatory Authority (TRA) established pursuant to the provisions of Article 6 of Federal Law by Decree No. 3 of 2003 (as amended).
- 2.1.6 “**Authorized User**” means a Person that has been granted an Authorization by the TRA.
- 2.1.7 “**Class Authorization**” means the Authorization which permits the operation of wireless equipment by any Person within designated frequency bands subject to the terms and conditions stipulated by the TRA.
- 2.1.8 “**Frequency Spectrum Fees**” means the fees to be paid to the Authority. It has two components: Application Fees and Frequency Fees.
- 2.1.9 “**Frequency Fees**” means the fees to be paid to the Authority, on the issue, modify or renewal of an Authorization.
- 2.1.10 “**ITU**” means the International Telecommunication Union, a leading United Nations agency for information and communication technologies.
- 2.1.11 “**Person**” will include ‘juridical entities’ as well as ‘natural persons’.
- 2.1.12 “**PMSE**” means the Services Ancillary to Broadcast Production, Program Making & Special Events i.e. use of frequency spectrum or wireless equipment to support broadcasting and production of content, news gathering, concerts, theatrical productions, stage performances, educational institutes, exhibitions, conferences and special events such as culture events, sport events etc.
- 2.1.13 “**Radio Regulations**” or “**RR**” means the Radio Regulations which is a publication issued by the ITU, adopted by the World Radiocommunication Conference and ratified by the UAE.
- 2.1.14 “**Station**” means one or more transmitters or receivers or a combination of transmitters and receivers, including the accessory equipment, necessary for carrying on a radiocommunication service at the location specified by the TRA for carrying on a radiocommunication service.
- 2.1.15 “**Temporary Authorization**” means an Authorization issued for a period up to 90 days.
- 2.1.16 “**UAE**” means the United Arab Emirates including its territorial waters and the airspace above.

Article (3)

Spectrum Authorizations for PMSE

- 3.1 The PMSE requirements for major events require extensive frequency resources. Mostly the events are location specific and Temporary Authorizations shall be issued to meet the requirements of events.
- 3.2 All PMSE equipment shall be Authorized on secondary basis, sharing and not to cause harmful interference or based on terms and conditions given in the Authorization.
- 3.3 The Temporary or Annual Authorizations for PMSE may fall into one of the following categories:
 - 3.3.1 Use Location Specific: Temporary or Annual use at a single, fixed location. In this category, the TRA will coordinate the use of assigned frequencies with other PMSE users.
 - 3.3.2 Use Non-Location Specific: Temporary or Annual use at several locations or over a pre-defined area. In this category, the Authorized User will share the assigned frequencies with other PMSE users.
- 3.4 The Applicant shall submit Application for each category separately for the designated frequency bands as mentioned in these Regulations.
- 3.5 For planned major events, the TRA will require Applicants to submit Applications at least 4 weeks in advance of the event commencing.
- 3.6 Use of frequencies for some PMSE equipment may be covered under Class Authorization and the TRA Regulations for UWB and Short Range Devices shall apply.
- 3.7 The TRA may also issue Authorization for the use of frequencies related to Short Range Device at higher power levels than those specified in the UWB and Short Range Device Regulations for location specific PMSE usage only in cases where the TRA establishes that no harmful interference will occur to other Authorized Users.

Article (4)

Types of Wireless Equipment used for PMSE

- 4.1 The wireless equipment used for PMSE is divided into following three types:
- 4.1.1 Wireless Audio Equipment
 - 4.1.2 Wireless Video Equipment
 - 4.1.3 Wireless Data Equipment
- 4.2 Applications for events may be submitted together having all the above-mentioned types in one Application as per the procedure and format defined by the TRA.
- 4.3 For Applications related to Digital Satellite News Gathering (DSNG), the TRA Regulations for Earth Stations are applicable.

Article (5)

Wireless Audio Equipment

- 5.1 The Wireless Audio Equipment covers the wireless equipment used in PMSE for audio / sound purposes e.g. Wireless / Radio Mic, In Ear Monitors (IEM), portable audio links, Talkback system etc.
- 5.2 The following table gives guidance on frequency ranges for PMSE Wireless Audio Equipment, their use and applicable usage conditions. The wireless equipment which conforms to Short Range Devices (Refer to the TRA UWB and Short Range Device Regulations) will require Class Authorization. All other wireless equipment as per the following table will require an individual Authorization from the TRA. The Frequency Spectrum Fees of Low Power Devices shall be applicable as per Spectrum Fees Regulations.

Frequency Range	Intended Use	Usage conditions	Authorization method	Notes
66.0 – 74.8 MHz	Radio microphones	Maximum 10 mW e.r.p.	Authorization	Above 73 MHz indoor only
138 – 156 MHz	Talkback	Maximum 1 W e.r.p.	Authorization	Based on sharing with PMR
174 – 230 MHz	Radio microphones	Maximum 100 mW e.r.p.	Authorization	Based on tuning range. Exact available channels for each location will be updated on the TRA Web.
406.1 – 450 MHz	Talkback	Maximum 1 W e.r.p.	Authorization	Based on sharing with PMR
470 – 694 MHz	Radio microphones, Talkback and IEM	Maximum 100 mW e.r.p.	Authorization	Based on tuning range. Exact available channels for each location will be updated on the TRA Web.

TRA Regulations for Services Ancillary to Broadcast Production, Program Making & Special Events (PMSE), Version 2.0

Frequency Range	Intended Use	Usage conditions	Authorization method	Notes
823 – 826 MHz	Radio microphones and IEM	Maximum 20 mW e.i.r.p.	Short Range Device (Class Authorization)	
826 – 832 MHz	Radio microphones and IEM	Maximum 100 mW e.i.r.p.	Short Range Device (Class Authorization)	
863 – 870 MHz	Radio microphones and IEM	Maximum 50 mW e.i.r.p.	Short Range Device (Class Authorization)	
1350 – 1400 MHz	Radio microphones and IEM	As authorized	Authorization	
1675 – 1710 MHz	Radio microphones and IEM	As authorized	Authorization	
1785 – 1804.8 MHz	Radio microphones and IEM	Maximum 20 mW e.i.r.p. (handheld) and 50 mW e.i.r.p. (body worn)	Short Range Device (Class Authorization)	
1880 – 1900 MHz	Radio microphones	Maximum 250 mW e.i.r.p.	Short Range Device (Class Authorization)	Using DECT technology only
2400 – 2483.5 MHz	Radio microphones	Maximum 10 mW e.i.r.p.	Short Range Device (Class Authorization)	Shared with SRD including wireless video
5150 MHz - 5875 MHz	Indoor conference systems	160 mW	Short Range Device (Class Authorization)	Shared with SRD

Article (6)

Wireless Video Equipment

- 6.1 The Video Applications covers the wireless equipment used in PMSE for video purposes e.g. wireless camera, mobile airborne video link, mobile vehicular video link, portable video links etc.
- 6.2 The following table gives guidance on frequency ranges for PMSE Video Applications, their use and applicable usage conditions. The wireless equipment which conforms to Short Range Devices (Refer to the TRA UWB and Short Range Device Regulations) will require Class Authorization. All other wireless equipment as per the following table will require an individual Authorization from the TRA. The Frequency Spectrum Fees of wireless camera links shall be applicable as per Spectrum Fees Regulations.

TRA Regulations for Services Ancillary to Broadcast Production, Program Making & Special Events (PMSE), Version 2.0

Frequency Range	Intended Use	Usage conditions	Authorization method	Notes
1675 – 1710 MHz	Wireless video	As authorized	Authorization	Temporary use only
1980 – 2010 MHz	Wireless video	As authorized	Authorization	Temporary use only
2010 – 2110 MHz	Wireless video	As authorized	Authorization	
2170-2200	Wireless video	As authorized	Authorization	Temporary use only
2200 – 2300 MHz	Wireless video	As authorized	Authorization	
2300 – 2400 MHz	Wireless video	As authorized	Authorization	Temporary use for major events only.
2400 – 2483.5 MHz	Wireless video	Maximum 10 mW e.i.r.p.	Short range device (Class Authorization)	Shared with SRD and radio microphones
2483.5 – 2500 MHz	Wireless video	As authorised	Authorisation	
3100 – 3300 MHz	Wireless video	As authorized	Authorization	
3800 – 4200 MHz	Wireless video	As authorized	Authorization	
4400 – 4900 MHz	Wireless video	As authorized	Authorization	
5150 – 5725 MHz	Wireless video	As authorized	Authorization	Shared with SRD
5725 – 5875 MHz	Wireless video	Maximum 50 mW e.i.r.p.	Short range device (Class Authorization)	Shared with SRD
5875 – 5925 MHz	Wireless video	As authorized	Authorization	Shared with SRD
6700 – 8025 MHz	Wireless video	As authorized	Authorization	
8600 – 9200 MHz	Wireless video	As authorized	Authorization	
9800 – 10600 MHz	Wireless video	As authorized	Authorization	
11700 – 12500 MHz	Wireless video	As authorized	Authorization	
13400 – 14000 MHz	Wireless video	25 mW e.i.r.p.	Short Range Device (Class Authorization)	Shared with SRD
17100 – 17300 MHz	Wireless video	100 mW e.i.r.p.	Short Range Device (Class Authorization)	Shared with SRD
21200 – 23600 MHz	Wireless video	As authorized	Authorization	
24000 – 24250 MHz	Wireless video	100 mW e.i.r.p.	Short Range Device (Class Authorization)	Shared with SRD
24250 – 24500 MHz	Wireless video	As authorised	Authorization	
47200 – 50200 MHz	Wireless video	As authorized	Authorization	

TRA Regulations for Services Ancillary to Broadcast Production, Program Making & Special Events (PMSE), Version 2.0

Frequency Range	Intended Use	Usage conditions	Authorization method	Notes
57000 – 64000 MHz	Wireless video	100 mW e.i.r.p.	Short Range Device (Class Authorization)	Shared with SRD

Article (7)

Wireless Data Equipment

- 7.1 The Data Applications covers the wireless equipment used in PMSE for data purposes e.g. Radio links for the remote control of cameras, IP links, telemetry, and tele-command etc.
- 7.2 The following table gives guidance on frequency ranges for PMSE Data Applications, their use and applicable usage conditions. The wireless equipment which conforms to Short Range Devices (Refer to the TRA UWB and Short Range Device Regulations) will require Class Authorization. All other wireless equipment as per the following table will require an individual Authorization from the TRA. The Frequency Spectrum Fees for fixed (point to point) links shall be applicable as per Spectrum Fees Regulations.

Frequency Range	Intended Use	Usage conditions	Authorization method	Notes
138 – 156 MHz	IP links, Telemetry, telecommand	Maximum 1 W e.r.p.	Authorization	Based on sharing with PMR
406.1 – 450 MHz	IP links, Telemetry, telecommand	Maximum 1 W e.r.p.	Authorization	Based on sharing with PMR
1675 – 1710 MHz	Data links only	As authorized	Authorization	

Article (8)

Spectrum Coordination and Notification

- 9.1 Coordination of frequencies for the Stations at the national, regional and international levels shall be made through the Authority, as it is the sole body responsible for radio frequency coordination.
- 9.2 Notifying and registering of frequencies of the Stations in the ITU shall be made through the Authority according to the procedures outlined in the Radio Regulations.
- 9.3 The Applicant shall support the coordination procedures.