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# Regulations

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

Version 3.0

Document Date: 30 October 2023

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**TDRA Regulations for Services Ancillary to Broadcast Production, Program Making & Special Events (PMSE), Version 3.0**

**Article (1)**

**Legal Reference**

- 1.1 These Regulations are issued in accordance with the provisions of the UAE Federal Law by Decree No 3 of 2003 (Telecom Law) on Regulation of the telecommunications Sector, as amended and its Executive Order.
- 1.2 These regulations describe the technical conditions for use of wireless equipment for the purposes of Programme Making, Special Events and Services Ancillary to Broadcasting and Production.
- 1.3 These Regulations shall be read in conjunction with the following documents available from the TDRA website at [www.tdra.gov.ae](http://www.tdra.gov.ae):
  - 1.3.1 Spectrum Allocation and Assignment Regulations
  - 1.3.2 Spectrum Fees Regulation
  - 1.3.3 Spectrum Monitoring, Interference Management and Enforcement Regulations
  - 1.3.4 National Frequency Plan including National Table of Frequency Allocation.
  - 1.3.5 Earth Stations Regulations
  - 1.3.6 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 on Regulation of the Telecommunications Sector 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.
- 2.2 The following terms and words shall be interpreted, as follows:
  - 2.2.1 **“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.
  - 2.2.2 **“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.
  - 2.2.3 **“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 TDRA as per the procedure.

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- 2.2.4 **“Authorization”** means a valid frequency spectrum authorization issued by the Authority and permits the use of radio frequency subject to terms and conditions as stipulated by the Authority.
- 2.2.5 **“Authority”** or **“TDRA”** means the General Authority for Regulating the Telecommunication Sector and Digital Government of the UAE known as Telecommunications and Digital Government Regulatory Authority established pursuant to the provisions of the Federal Law by Decree No. 3 of 2003 on Regulation of the Telecommunications Sector, as amended.
- 2.2.6 **“Authorized User”** means a Person that has been granted a Radio Frequency Spectrum Authorization by the Authority, or using Authorized Wireless Equipment..
- 2.2.7 **“Authorized Wireless Equipment”** means Wireless Equipment approved for use in the UAE by the Authority on specified terms and conditions.
- 2.2.8 **“Class Authorization”** means the Authorization that permits the operation of wireless equipment by any Person within designated frequency bands subject to the terms and conditions stipulated by the Authority.
- 2.2.9 **“Frequency Spectrum Fees”** means the fees to be paid to the Authority. It has two components: Application Fees and Frequency Fees.
- 2.2.10 **“Frequency Fees”** means the fees to be paid to the Authority, on the issue, modify or renewal of an Authorization.
- 2.2.11 **“ITU”** means the International Telecommunication Union, which is the United Nations agency for information and communication technologies (ICTs).
- 2.2.12 **“Person”** will include ‘juridical entities’ as well as ‘natural persons’.
- 2.2.13 **“PMSE”** means Programme Making and Special Events, i.e. those uses of the radio spectrum which support the production of content and for certain special events.
- 2.2.14 **“Radiocommunication Service”** means the transmitting and/or receiving of Radio Frequency Spectrum emissions which may be used for the conveyance of data, or messages or voice or visual images, or for the operation or control of machinery or apparatus.
- 2.2.15 **“Radio Regulations”** or **“RR”** means a publication issued by the ITU, adopted by the World Radiocommunication Conference and ratified by the UAE.
- 2.2.16 **“Regulation”** means any instrument issued by the Authority under its powers, and includes without limitation regulations, violation decisions, directives, instructions, guidance, recommendations, and regulatory policies.

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- 2.2.17 “**Station**” means one or more transmitters or receivers or a combination of transmitters and receivers, including the accessory equipment, necessary at one location for carrying on a radiocommunication service.
- 2.2.18 “**Telecom Law**” means the Federal Law by Decree No 3 of 2003 on Regulation of the Telecommunications Sector, as amended.
- 2.2.19 “**Temporary Authorization**” means an Authorization issued for a period up to 90 days.
- 2.2.20 “**UAE**” means the United Arab Emirates including its territorial waters and the airspace above.
- 2.2.21 “**Wireless Equipment**” means a category of Telecommunication Apparatus used for Radiocommunication Service (including a Station).

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**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<sup>1</sup>, sharing not to cause harmful interference and not to claim protection 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 TDRA 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 TDRA 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 TDRA Regulations for UWB and Short Range Devices shall apply.
- 3.7 The TDRA 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 TDRA establishes that no harmful interference will occur to other Authorized Users.

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<sup>1</sup> Secondary Services are protected against unwanted and unauthorized emissions

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**Article (4)**

**Types of Wireless Equipment used for PMSE**

- 4.1 The wireless equipment used for PMSE are 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 TDRA.
- 4.3 For Applications related to Digital Satellite News Gathering (DSNG), the TDRA Regulations for Earth Stations are applicable.

**Article (5)**

**Wireless Audio Equipment**

- 5.1 The Wireless Audio Equipment covers the 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 TDRA 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 TDRA. The Frequency Spectrum Fees of Low Power Devices shall be applicable as per Spectrum Fees Regulations.

Frequency Range	Intended Use	Usage conditions	References	Authorization method	Notes
66.0 – 74.8 MHz	Radio microphones	Maximum 10 mW e.r.p.	EN 300 422	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.	EN 300 422	Authorization	Based on tuning range. Exact available channels for each location will be updated on the TDRA Web.
406.1 – 450 MHz	Talkback	Maximum 1 W e.r.p.		Authorization	Based on sharing with PMR

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Frequency Range	Intended Use	Usage conditions	References	Authorization method	Notes
470 – 694 MHz	Radio microphones, Talkback and IEM	Maximum 100 mW e.i.r.p.	EN 300 422	Authorization	Based on tuning range. Exact available channels for each location will be updated on the TDRA Web.
823 – 826 MHz	Radio microphones and IEM	Maximum 20 mW e.i.r.p.	EN 300 422	Short Range Device (Class Authorization)	
826 – 832 MHz	Radio microphones and IEM	Maximum 100 mW e.i.r.p.	EN 300 422	Short Range Device (Class Authorization)	
863 – 870 MHz	Radio microphones and IEM	Maximum 50 mW e.i.r.p.	EN 300 422 EN 301 357	Short Range Device (Class Authorization)	
1350 – 1400 MHz	Radio microphones and IEM	As authorized	EN 300 422	Authorization	
1675 – 1710 MHz	Radio microphones and IEM	As authorized	EN 300 422	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)	EN 300 422	Short Range Device (Class Authorization)	
1880 – 1900 MHz	Radio microphones	Maximum 250 mW e.i.r.p.	EN 301 406	Short Range Device (Class Authorization)	Using DECT technology only
2400 – 2483.5 MHz	Radio microphones	Maximum 10 mW e.i.r.p.	EN 300 422	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

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**Article (6)**

**Wireless Video Equipment**

- 6.1 The Wireless Video Equipment covers 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 wireless Video Equipment their use and applicable usage conditions. The wireless equipment that conforms to Short Range Devices (Refer to the TDRA 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 TDRA. The Frequency Spectrum Fees of wireless camera links shall be applicable as per Spectrum Fees Regulations.

Frequency Range	Intended Use	Usage conditions	Reference	Authorization method	Notes
1675 – 1710 MHz	Wireless video	As authorized	EN 302 064	Authorization	Temporary use only
1980 – 2010 MHz	Wireless video	As authorized	EN 302 064	Authorization	Temporary use only
2010 – 2110 MHz	Wireless video	As authorized	EN 302 064	Authorization	
2170-2200	Wireless video	As authorized	EN 302 064	Authorization	Temporary use only
2200 – 2300 MHz	Wireless video	As authorized	EN 302 064	Authorization	
2300 – 2400 MHz	Wireless video	As authorized	EN 302 064	Authorization	Temporary use for major events only.
2400 – 2483.5 MHz	Wireless video	Maximum 10 mW e.i.r.p.	EN 302 064	Short range device (Class Authorization)	Shared with SRD and radio microphones
2483.5 – 2500 MHz	Wireless video	As authorised	EN 302 064	Authorisation	
3100 – 3300 MHz	Wireless video	As authorized	EN 302 064	Authorization	
3800 – 4200 MHz	Wireless video	As authorized	EN 302 064	Authorization	
4400 – 4900 MHz	Wireless video	As authorized	EN 302 064	Authorization	
5150 – 5725 MHz	Wireless video	As authorized	EN 302 064	Authorization	Shared with SRD
5725 – 5875 MHz	Wireless video	Maximum 50 mW e.i.r.p.	EN 302 064	Short range device (Class Authorization)	Shared with SRD
5875 – 5925 MHz	Wireless video	As authorized	EN 302 064	Authorization	Shared with SRD
6700 – 8025 MHz	Wireless video	As authorized	EN 302 064	Authorization	
8600 – 9200 MHz	Wireless video	As authorized	EN 302 064	Authorization	

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Frequency Range	Intended Use	Usage conditions	Reference	Authorization method	Notes
9800 – 10600 MHz	Wireless video	As authorized	EN 302 064	Authorization	
11700 – 12500 MHz	Wireless video	As authorized	EN 302 064	Authorization	
13400 – 14000 MHz	Wireless video	25 mW e.i.r.p.	EN 302 064	Short Range Device (Class Authorization)	Shared with SRD
17100 – 17300 MHz	Wireless video	100 mW e.i.r.p.	EN 302 064	Short Range Device (Class Authorization)	Shared with SRD
21200 – 23600 MHz	Wireless video	As authorized	EN 302 064	Authorization	
24000 – 24250 MHz	Wireless video	100 mW e.i.r.p.	EN 302 064	Short Range Device (Class Authorization)	Shared with SRD
24250 – 24500 MHz	Wireless video	As authorised	EN 302 064	Authorization	
47200 – 50200 MHz	Wireless video	As authorized	EN 302 064	Authorization	
57000 – 64000 MHz	Wireless video	100 mW e.i.r.p.	EN 302 064	Short Range Device (Class Authorization)	Shared with SRD

**Article (7)**

**Wireless Data Equipment**

- 7.1 The Wireless Data Equipment covers the wireless PMSE for data purposes e.g. Radio links for the remote control of cameras, IP links, telemetry, and telecommand etc.
- 7.2 The following table gives guidance on frequency ranges for PMSE Wireless Data Equipment their use and applicable usage conditions. The wireless equipment that conforms to Short Range Devices (Refer to the TDRA 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 TDRA. 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	

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**Article (8)**

**Spectrum Coordination and Notification**

- 8.1 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.
- 8.2 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.
- 8.3 The Applicant shall support the coordination procedures.

**Article (9)**

**Validation and Publication**

- 9.1 These Regulations should be published in the official gazette and shall be effective as of the date of their issuance.