AUTORIDADE
NACIONAL DE COMUNICAÇÕES
TIMOR-LESTE

Edifício Central:
Avenida Xavier do Amaral
Mercado Lama, Caicoli, Dili
Web: www.anc.tl
Telephone: 331 1415

Instruction manual for filling FX applicant notice form

Form Usage:

This table contains instructions to complete FX form for application of frequency assignment to the stations in:

- the point-to-point systems in the HF, VHF, UHF, SHF and EHF bands,
- the point-to-multipoint systems in the HF, VHF, UHF, SHF and EHF bands,
- the microwave links (VH,) UHF, SHF and EHF bands,
- the microwave repeaters (VH,) UHF, SHF and EHF bands,
- the outdoor point – to – multipoint data and internet distribution systems UHF, SHF and EHF bands,

FORM 2. SITE AND RADIO SYSTEM INFORMATION			
II. TRANSMITTER		**Item definition**	**Responsible person**
2.1. Transmitter site information			
Items No. 2.1.1 to 2.1.2	Site name and site address	Give the name and address of transmitting antenna site which is commonly assigned by applicant.	Applicant
Item No. 2.1.3	Geographical Coordinates (Long/Lat)	The geographical coordinates of transmitting antenna in degrees/minutes/seconds.	Applicant
Item No. 2.1.4	(Antenna) Site Altitude above sea level	Give the altitude of the ground where the base of transmitting antenna or antenna tower placed; include the height of building in this value, if it is rooftop.	Applicant
2.2. Frequency for Transmitting			
Item No. 2.2.1	Frequency band	Give the preferred frequency band in which the assigned frequency shall be selected	Applicant
Item No. 2.2.2	Assigned Frequency	Give the preferred frequency shall be selected. The frequency selected by applicant is optional, ANC may offer another if necessary	Applicant
Item No. 2.2.3	Bandwidth	Provide the necessary bandwidth of emission on frequency mentioned in the Item No. 2.2.2 in one of the kHz, MHz or GHz	Applicant
Item No. 2.2.4	Emission Designator	Put this information in accordance with the used modulation type and necessary bandwidth	Applicant with the aid of ANC if necessary
2.3. Transmitter Equipment			
Item No. 2.3.1	Equipment Name	Provide the manufacturer common or specific name of the equipment	Applicant
Item No. 2.3.2	Manufacturer	Put the name of equipment manufacturer	Applicant
Item No. 2.3.3	Model	Provide the equipment model or serial of antenna	Applicant
2.4. Antenna for Transmitting			
Item No. 2.4.1	Antenna name	Provide the manufacturer common or specific name of the antenna, e.g. Log Periodic, Parabolic reflector, Microstrip Array and etc.	Applicant
Item No. 2.4.2	Manufacturer	Put the name of antenna manufacturer	Applicant
Item No. 2.4.3	Model	Provide the antenna model or serial of antenna	Applicant
Item No. 2.4.4	Type	Provide the type of transmitter antenna	Applicant
Item No. 2.4.5	Diameter	Provide the diameter of transmitter antenna	Applicant
Item No. 2.4.6	Height (AGL)	Provide the height of the antenna above ground level in meter.	Applicant
Item No. 2.4.7	Antenna Gain	Give maximum gain of antenna in the direction of main lobe in dBi or dBd.	Applicant
Item No. 2.4.8	Azimuth	The angle of the direction of the Transmitting Antenna's Maximum Gain	Applicant
Item No. 2.4.9	Elevation	The signed (positive or negative) angle measured in the vertical plane between the direction of the Transmitting Antenna Maximum Gain and the horizontal plane.	Applicant

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Item No. 2.4.10	Polarization	Check only one of the following eight options in accordance with the antenna radiation characteristics: V Vertical linear: the electric field vector is in the vertical plane. H Horizontal linear: the electric field vector is in the horizontal plane. D Dual: when substantially equal-amplitude vertically and horizontally polarized components are radiated without particular control of the phase relation between them. Typically, the vertically and horizontally polarized sources may be displaced one from the other so that the resultant polarization varies between circular and slant, according to azimuth angle. CR Right hand circular or direct: the electric field vector rotates clockwise. CL Left hand circular or indirect: the electric field vector rotates anti-clockwise. SL Left hand slant: the electric field vector is in the plane rotated 45 degrees anti-clockwise from the vertical plane. SR Right hand slant: the electric field vector is in the plane rotated 45 degrees clockwise from the vertical plane. M Mixed: the collective term applied when both vertical and horizontal components are radiated, embracing slant, circular and dual polarization.	Applicant
2.5. Power			
Item No. 2.5.1	Power to the Antenna	Put the value of transmitting power to the antenna in watts (W) or milliwatts (mW) Therefore, any loss between transmitter output and antenna terminal such, as the cable loss and mismatch loss, shall be considered in the provision of this value.	Applicant
Item No. 2.5.2	EIRP	Put the Maximum Radiated Power of the transmitting antenna. Actually, this value is equal to the product of the maximum power (including the full range of power control for adaptive systems) supplied to the Antenna and the Transmitting Antenna's Maximum Gain.	Applicant
III. RECEIVER			
3.1. Receiving site information			
Items No. 3.1.1 and 3.1.2	Site name and site address	Give the name and address of receiving antenna site which is commonly assigned by applicant.	Applicant
Item No. 31.3	Geographical Coordinates (Long/Lat)	The geographical coordinates of receiving antenna in degrees/minutes/seconds.	Applicant
Item No. 3.1.4	(Antenna) Site Altitude above sea level	Give the altitude of the ground where the base of receiving antenna or antenna tower placed, include the height of building in this value, if it is rooftop.	Applicant
3.2. Frequency for Receiving			
Item No. 3.2.1	Frequency band	*Leave this item blank*	Blank
Item No. 3.2.2	Assigned Frequency	Give the RX frequency shall be selected. The frequency selected by applicant is optional, ANC may offer another if necessary	Applicant
Item No. 3.2.3	Bandwidth	*Leave this item blank*	Blank
Item No. 3.2.4	Emission Designator	*Leave this item blank*	Blank
3.3. Receiving Equipment			
Item No. 3.3.1	Equipment Name	Provide the manufacturer common or specific name of the equipment	Applicant
Item No. 3.3.2	Manufacturer	Put the name of equipment manufacturer	Applicant
Item No. 3.3.3	Model	Provide the equipment model or serial of antenna	Applicant
3.4. Antenna for Receiving			
Item No. 3.4.1	Antenna name	Provide the manufacturer common or specific name of the antenna, e.g. Log Periodic, Parabolic reflector, Microstrip Array and etc.	Applicant
Item No. 3.4.2	Manufacturer	Put the name of antenna manufacturer	Applicant
Item No. 3.4.3	Model	Provide the antenna model or serial of antenna	Applicant
Item No. 3.4.4	Type	Provide the type of receiving antenna	Applicant
Item No. 3.4.5	Diameter	Provide the diameter of transmitter antenna	Applicant
Item No. 3.4.6	Height (AGL)	Provide the height of the antenna above ground level in meter.	Applicant
Item No. 3.4.7	Antenna Gain	Give maximum gain of antenna in the direction of main lobe in dBi or dBd.	Applicant

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Item No. 3.4.8	Azimuth	The angle of the direction of the Transmitting Antenna's Maximum Gain	Applicant
Item No. 3.4.9	Elevation	The signed (positive or negative) angle measured in the vertical plane between the direction of the Transmitting Antenna Maximum Gain and the horizontal plane.	Applicant
Item No. 3.4.10	Polarization	*Leave this item blank*	Blank
3.5. Power			
Item No. 3.5.1	Power to the antenna	Put the value of power to the antenna in watts (W) or milliwatts (mW) Therefore, any loss between transmitter output and antenna terminal such, as the cable loss and mismatch loss, shall be considered in the provision of this value.	Applicant