

Office: 17, rue du Fossé • Postal address: L-2922 Luxembourg • Fax: (352) 28 228 229

Application for an implementation of a Satellite Earth Station

Company Name: Contact person: Street, number: Postcode: Place: Pl	Modification of licence No.:		
Contact person: Street, number: Postcode: Place: Place: Place: Postcode: Fax No: Fax No: Fax No: Fax No: Company Name: Contact person: Street, number: Postcode: Place: P	2. Customer Information		
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P.O. box: Phone No: Fax No: Fax No: Fax No: Fax No: Fax No: Street, number: Postcode: Place: Place: Plo. box: Phone No: Fax No: Fax No: Fax No: Farmail: 4. Earth Station Parameters	Contact person:		
P.O. box: Fax No: Phone No: Fax No: E-mail:	Street, number:		
Phone No: Fax No: E-mail:	Postcode:	Place:	
E-mail: 3. Billing Address: Company Name: Contact person: Street, number: Postcode: Place: Place: P.O. box: Phone No: E-mail: 4. Earth Station Parameters Remark: The underlined numbers listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations A. GENERAL CHARACTERISTICS OF THE EARTH STATION A.1.e.2. Earth station name: Type of earth station A.1.e.3.b - Geographical Coordinated [WGS84]: *E ** WGS84	P.O. box:		
P.O. box: Phone No: Fax No: E-mail: 4. Earth Station Parameters <i>Remark:</i> The <u>underlined numbers</u> listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations <u>A - GENERAL CHARACTERISTICS OF THE EARTH STATION A.1.e.2</u> - Earth station name: Type of earth station: USAT SNG SNG SNG Typical earth station A.1.e.3.b - Geographical Coordinated [WGS84]: "E " WGS84	Phone No:	Fax No:	
Company Name: Contact person: Street, number: Postcode: Place: P.O. box: Phone No: E-mail: 4. Earth Station Parameters Remark: The underlined numbers listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations A - GENERAL CHARACTERISTICS OF THE EARTH STATION A.1.e.2 - Earth station name: Type of earth station: A.1.e.3.b - Geographical Coordinated [WGS84]: Contact of the state of	E-mail:		
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Contact person: Street, number: Postcode: Place: P.O. box: Phone No: E-mail: 4. Earth Station Parameters <i>Remark:</i> The <u>underlined numbers</u> listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations A - GENERAL CHARACTERISTICS OF THE EARTH STATION A.1.e.2 - Earth station name: Type of earth station: SNG SNG Typical earth station A.1.e.3.b - Geographical Coordinated [WGS84]:	_		
Street, number: Postcode: Place: P.O. box: Phone No: Fax No: E-mail: 4. Earth Station Parameters 4. Earth Station Parameters 6. GENERAL CHARACTERISTICS OF THE EARTH STATION A.1 - IDENTITY OF THE EARTH STATION A.1 - IDENTITY OF THE EARTH STATION A.1 - 2 - Earth station name: Type of earth station: Update: VSAT SNG Typical earth station A.1 - 3.b - Geographical Coordinated [WGS84]:	· · ·		
Postcode: Place: P.O. box: Phone No: Fax No: E-mail: 4. Earth Station Parameters <i>Remark:</i> The underlined numbers listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations <u>A</u> - GENERAL CHARACTERISTICS OF THE EARTH STATION <u>A1 IDENTITY OF THE EARTH STATION</u> <u>A1.e.2</u> - Earth station name: Type of earth station: USAT SNG Typical earth station A1.e.3.b - Geographical Coordinated [WGS84]:	•		
Phone No: Fax No: E-mail: 4. Earth Station Parameters 4. Earth Station Parameters 6. Earth Station Parameters Remark: The underlined numbers listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations A - GENERAL CHARACTERISTICS OF THE EARTH STATION A.1 - IDENTITY OF THE EARTH STATION A.1.e.2 - Earth station name: Type of earth station: USAT SNG Typical earth station A.1.e.3.b - Geographical Coordinated [WGS84]: °E "WGS84		Place:	
E-mail: 4. Earth Station Parameters <i>Remark:</i> The <u>underlined numbers</u> listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations A - GENERAL CHARACTERISTICS OF THE EARTH STATION A.1 - IDENTITY OF THE EARTH STATION A.1.e.2 - Earth station name: Type of earth station: VSAT SNG SNG SNG Typical earth station A.1.e.3.b - Geographical Coordinated [WGS84]:	P.O. box:	· · · · · · · · · · · · · · · · · · ·	
 4. Earth Station Parameters <i>Remark:</i> The <u>underlined numbers</u> listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations <u>A - GENERAL CHARACTERISTICS OF THE EARTH STATION</u> <u>A.1 - IDENTITY OF THE EARTH STATION</u> <u>A.1 - IDENTITY OF THE EARTH STATION</u> <u>A.1 - 2</u> - Earth station name: Type of earth station: USAT Specific earth station SNG Typical earth station 	Phone No:	Fax No:	
Remark: The underlined numbers listed in the tables here behind refer to items as defined according to Appendix 4, annex 2 of the Radio Regulations A - GENERAL CHARACTERISTICS OF THE EARTH STATION A.1 - IDENTITY OF THE EARTH STATION A.1.e.2 - Earth station name: Type of earth station: VSAT SNG Typical earth station A.1.e.3.b - Geographical Coordinated [WGS84]: °E "WGS84	 E-mail:		
A.1 - IDENTITY OF THE EARTH STATION A.1.e.2 - Earth station name: Type of earth station: VSAT SNG Typical earth station A.1.e.3.b - Geographical Coordinated [WGS84]: °E ' WGS84	Remark: The underlined numbers		
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Type of earth station: VSAT Specific earth station SNG Typical earth station A.1.e.3.b - Geographical Coordinated [WGS84]: °E '' WGS84	A.1 - IDENTITY OF THE EARTH ST	ATION	
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	<u>A.1.e.2</u> - Earth station name:		Specific earth station
	Type of earth station:	SNG	Typical earth station

<u>A.4.c.1</u> - Associated Spa Type of Space Station:	ce Station:	-	<u>A.4.c.2</u> - Orbita	Il position:	° [] E / [] W
	ion angle, in de	egrees, for e	ach azimuth aro		rth station and azimuth around the ea	irth station:
Azimuth [°]	0	<u>A.7.a.1</u> -	Elevation angle	• [°] 。	<u>A.7.a.2</u> - Distance	
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<u>A.7.b.1</u> - Minimum angl beam axis, in					0	

A.7.d - Altitude, in meters, of the antenna above mean sea level: m			
tenna height, in meters, above Ground level:		m	
7.e - Minimum angle of elevation of the antenna's management of a station and the earth station that is operation in the earth station and the earth station is operation.	ain beam	axis, in degrees, from the horizontal plane fo	
Azimuth [°]		Elevation angle [°]	
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3.	Earth	Station	Parameters	(cont.	3)
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RECEIVING BEAM PARAMETERS

<u>B</u> - CHARACTERISTICS TO BE PROVIDED FOR EACH EARTH STATION

<u>B.1</u> - IDENTIFICATION AND DIRECTION OF THE SATELLITE ANTENNA BEAM

<u>B.1.a</u> - Designation of the satellite antenna beam of the associated space station:

B.5 - EARTH STATION ANTENNA CHARACTERISTICS			
B.5.a - Maximum isotropic gain, in dBi	dBi		
B.5.b - Half-power beamwidth, in degrees:	0		
B.5.c - Antenna radiation pattern*:			
CoefA:			
CoefB:			
CoefC:			
CoefD:			
Phi:			
Antenna diameter, in meters	m		

* or provide co- and cross-polar measured antenna diagram

<u>C</u> - CHARACTERISTICS TO BE PROVIDED FOR EACH GROUP OF FREQUENCY ASSIGNMENTS FOR AN EARTH STATION

<u>C.2</u> - ASSIGNED FREQUENCIES

C.Z - ASSIGNED I REQUENCIE	5		
<u>C.2.a.1</u> - The assigned frequencies	<u>C.2.b</u> - The frequency ba	center of the and observed	
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<u>C.3</u> - ASSIGNED FREQUENCY	BAND		
<u>C.3.a</u> - The bandwidth of the assigne band, in kHz:	d frequency	kHz	
C.4 - CLASS OF STATION AND	NATURE OF S	ERVICE	
C.4.a - The class of station			
C.4.b - The nature of service perform	ned		
C.5 - RECEIVING SYSTEM NOI	SE TEMPERAT	URE	
<u>C.5.b</u> - The lowest total receiving sys in kelvins, referred to the out antenna of the space station	stem noise temper	ature,	К
<u>C.6</u> - POLARIZATION			
C.6.a - The type of polarization			
<u>C.6.b</u> - If linear polarization is used, t measured counter-clockwise beam axis from the equatoria vector of the waves as seen f	in a plane normal I plane to the elec	to the	0

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4. Earth Station Parameters (cont. 4):

RECEIVING BEAM PARAMETERS (cont. 1)

C - CHARACTERISTICS TO BE PROVIDED FOR EACH GROUP OF FREQUENCY ASSIGNMENTS FOR AN EARTH STATION (cont. 1)

$\frac{C.7}{C.8}$ - NECESSARY BANDWIDTH AND CLASS OF EMISSION / $\frac{C.8}{C.8}$ - POWER CHARACTERISTICS OF THE TRANSMISSION

<u>C.7.a</u> The necessary bandwidth and the class of emission: for each carrier	<u>C.8.e.1</u> For each carrier type, the greater of either the carrier-to-noise, in dB, required to meet the performance of the link under clear-sky conditions or the carrier-to-noise ratio, in dB, required to meet the short-time objectives of the link inclusive of necessary margins
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4. Earth Station Parameters (cont. 5)

TRANSMITTING BEAM PARAMETERS

B - CHARACTERISTICS TO BE PROVIDED FOR EACH EARTH STATION

B.1 - IDENTIFICATION AND DIRECTION OF THE SATELLITE ANTENNA BEAM

B.1.a - Designation of the satellite antenna beam of the associated space station:

B.5 - EARTH STATION ANTENNA CHARACTERISTICS

B.5.a - Maximum isotropic gain, in dBi dBi o B.5.b - Half-power beamwidth, in degrees: B.5.c - Antenna radiation pattern*: CoefA: CoefB: CoefC: CoefD: Phi: Antenna diameter, in meters: m

* or provide co- and cross polar measured antenna diagram

<u>C</u> - CHARACTERISTICS TO BE PROVIDED FOR EACH GROUP OF FREQUENCY **ASSIGNMENTS FOR AN EARTH STATION**

C.2 - ASSIGNED FREQUENCIES

band, in kHz:

C.4.a - The class of station:

C.6 - POLARIZATION

C.4.b - The nature of service performed:

<u>C.2.a.1</u> - The assigned frequencies	<u>C.2.b</u> - The c frequency ba	
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C.3 - ASSIGNED FREQUENCY BA	AND	
C.3.a - The bandwidth of the assign	ned frequency	

kHz C.4 - CLASS OF STATION AND NATURE OF SERVICE

C.6.a - The type of polarization: C.6.b - If linear polarization is used, the angle, in degrees, measured counter-clockwise in a plane normal to the beam axis from the equatorial plane to the electric vector of the waves as seen from the satellite

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	OR AN EARTH STAT		CH GROUP OF FRE	QUENCY
	Y BANDWIDTH AND CL RACTERISTICS OF TH			
<u>C.7.a¹</u>	<u>C.8.a.1¹ / C.8.b.1¹</u> [dBW]	<u>C.8.a.2¹/ C.8</u> [dB(W/Hz	<u>.b.2¹</u> <u>C.8.c.1¹</u> [dBW]	<u>C.8.c.3¹</u> [dB(W/Hz])
C.8.a.2 - The maximum C.8.b - For the case w C.8.b.1 - The total pea C.8.b.2 - The maximum C.8.c.1 - The minimum C.8.c.3 - The minimum C.8.g.1 - The maxim carriers (p to the input	n value of the peak envelope po n power density, in dB(W/Hz), s /here it is not appropriate to i I envelope power, in dBW, supp n power density, in dB(W/Hz), s value of the peak envelope por power density, in dB(W/Hz), su num aggregate power, in dB er transponder, if applicable to f the transmitting antenna on or the associated earth s	upplied to the input dentify individual of lied to the input of t upplied to the input wer, in dBW, supplied upplied to the input of W, of all) supplied a of the	of the antenna for each carrier carriers: he antenna. of the antenna. ad to the input of the antenna for	br each carrier type.
ministrations in a de ernational Telecomm	lectronically in a datab fined coordination zone nunications Union. d lead to a modification of	according to th	e regulations prescribed	data is exchanged with the from the Radio regulations of out delay in order to ensure the
e subscriber agrees and operation of ra		criptions and a	dministrative regulations	issued or to be issued on the
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