

AMERICAS REGIONAL RADIOCOMMUNICATION SEMINAR 2013

ASUNCION, PARAGUAY 8-12 JULY 2013

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Cost recovery for satellite network filings

ITU – RRS-13-Americas Asunción, Paraguay 8-12 July 2013

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Implementation of cost recovery:

The ITU Council determines the cost recovery principles and fees for satellite network filings



Council Decision 482

The WRC determines regulation covering satellite network filings, in particular, the penalty in the event of non-payment of cost recovery fee



Radio Regulations No.9.38.1 etc.

Council Decision 482:

Established a schedule of processing charge that relates to the complexity and size of a filing

Complexity is modeled with categories

Size is modeled by units

6 months to make payment

One free entitlement a year for each

member state

What Filings are chargeable?

1/ API: * API for NGSO not subject to coordination * API for inter satellite links of a GSO comp

* API for inter-satellite links of a GSO communicating with NGSO not subject to coordination



3/ Plans:

* Modifications of the Space Service Plans and Lists

Requests

2/ Coordination

- * The use of guardbands
- * Requests for implementation of the FSS plans

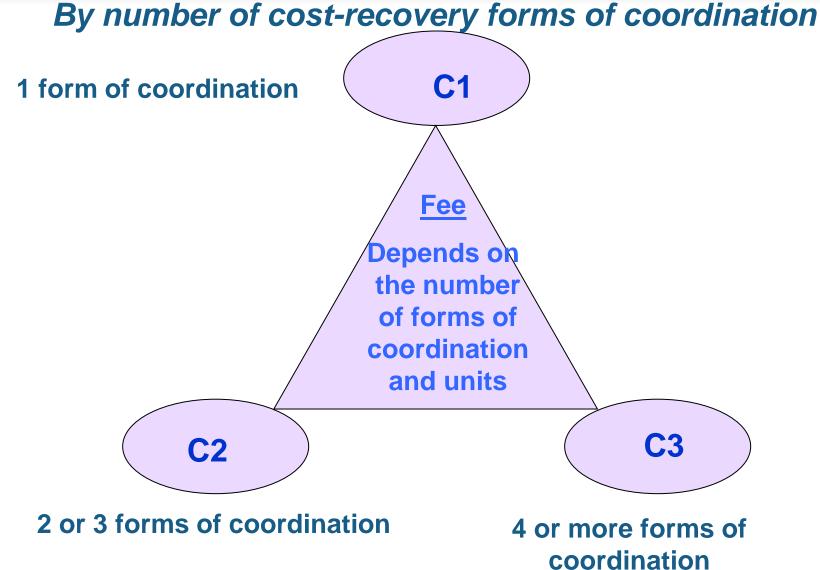
4/ Notification for recording in the MIFR

Fees for API

Flat fee of 570 CHF for

- API for NGSO not subject to coordination
- Inter-satellite links of a GSO communicating with NGSO not subject to coodination

Categorization of Coordination Requests





What are forms of coordination?

Cost recovery form of coordination	RR forms of coordination
А	No. 9.7, RS33.3
В	AP30 7.1, AP30A 7.1
С	No. 9.11, RS33 2.1, RS539
D	Nos. 9.7B, 9.11A, 9.12, 9.12A, 9.13, 9.14
E	No. 9.7A
F	No. 9.21



Example (Forms of Coordination):



RÉSEAU À SATELLITE SATELLITE NETWORK RED DE <mark>SATÉLIT</mark> E		LUX-G6-12	2		SECTION SPÉCIALE Nº SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/C/2245
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA					BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2632 / 11.11.2008
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	LUX	LONGITUDE NOMINALI NOMINAL LONGITUDE LONGITUD NOMINAL		5 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	108520161
RENSEIGNEMENTS REÇUS	PAR LE BUREAU LE	/ INFORMATION RECEIVE	D BY THE BURE	EAU ON / INI	FORMACIÓN RECIBIDA POR LA OFIC	ICINA EL 18.06.2008
Cette demande de coordination, re vertu du numéro 9.30 du Règiemer Itre des numéros 9.35 et 9.36 et e est subordonnée au type de coord un X dans la case pertinente. Yvpe de coordination mentionné d	t des radiocommunicatio st publiée conformément nation indiqué dans la c	ns, a été examinée au t au numéro 9.38. Elle 9.35 an olonne de gauche par form of	nt to No. 9.30 of the d 9.36 and is public coordination indicat	e Radio Regul shed in accord ted in the left-h	I by the Radiocommunication Bureau R lations, has been examined under Nos. fance with No. 9.38. It is subject to the and column by an X in the relevant box iz	Esta solicitud de coordinación, recibida por la Otion Radiocomunicaciones de conformidad con el punto N°9.3 Reglamento de Radiocomunicaciones, se ha examinado de corfo con los N° 9.35 y 9.36 y se publica de conformidad con el N° 9.3 sujeta al formulario de coordinación indicado en la columna izquierda con una X en la casilia correspondiente.
X 9.7 9.7A 9.7B 9.42 X AP3007.1 X AP30407.1 R S77 R S84	des ra dans k keur dé	mément aux numéros 9.50 à 9 diocommunications, les Adminis e Tableau I d'après sont prées claion à l'Administration respons a date limite indiquée d'dessous	trations identifiées s de communiquer able et au Bureau	the Adminis to commu	ce with Nos. 9.50–9.52 of the Radio Regulati trations identified in Table I below are reque nicate their decision to the Respon on and the Bureau by the deadline indic	ested Radiocomunicaciones, se solicita a las administra nsible señala das en el cuadro I a continuación que comuniqu
R \$539 R \$33#3				3		
R \$539	ansile Tableau II / Form	of coordination referred to in Tabl	e II / Formulario de o	coord inación r	emitido al cuadro II	



Cost recovery summary in CR/C

	A fa Sat. Network LUX-G6-12 BR6a/BR6b Id. no. 108520161		12	A1f1 Notifying adm. LUX BR3a/BR3b Provision reference			A1f3 Inter. sat. org. 9.6 C		BR1 Date of receipt 18.06 BR2 Adm. serial no.	.2008	BR20/BR21 BR IFIC no./part 2632/							
B1a Beam designation	B2 Emi-Rcp	BR8 Action code	BR7a Group id.	BR9 Action code	13A Conformity with RR	C3a Assigned freq. band	Freque	BR47 ancy ban	d (MHz)	BR15 Provision reference	BR53 Nb of freq.	C4a Class of station	BR54 Nb of emiss.	BR55 Nb of units				
TUHR	E	2 - 2	108627556	92 <u>8</u>	A	77000	235	1	312	9.21,9.7	1	EI	2	j				
	2000		108627557		A	7000	315	-	322	9.21,9.7	1	EI	2					
			108627558		A	64500	335.4	-	399.9	9.13,9.21,9.7	1	EI	2					
W1R	Е		108627559		A	2000000	37500	-	42500	9.7	2	EC	1					
							108627560		A	1000000	39500		40500	9.7	1	EC	1	
							108627561		A	1000000	39500		40500	9.7	1	EI	1	1.1
		. 3	108627562	22. B	A	1000000	41000	¹²	42000	9.7	1	EV	1					
W2R	E		108627563		A	2000000	37500	-	42500	9.7	2	EC	1					
		1 1	108627564		A	1000000	39500	-	40500	9.7	1	EC	1					
				I T	108627565		A	1000000	39500	-	40500	9.7	1	EI	1			
		- E	108627566	28 - B	A	2000000	40500	200	42500	9.7	1	EA	1					
TVR.	E	8 - 8	108627757	8 <u>8</u> 8	A	30000	2170	-	2200	9.13,9.14,9.7	1	EI	6	ŝ (
XIR	E		108627567		A	125000	7250	-	7375	9.7	1	EC	1					
		1 1	108627568		A	125000	7250		7375	9.7	1	EC	1					
		108627569		A	125000	7250	-	7375	9.7	1	EC	1						
		l T	108627570		A	375000	7375	-	7750	9.7	1	EC	1					
			108627571		A	375000	7375	-	7750	9.7	1	EC	1					
			108627572		A	375000	7375		7750	9.7	1	EC	1					
			108627573		A	125000	7250	-	7375	9.21,9.7	1	EI	1					
			108627574	1	A	125000	7250		7375	9.21,9.7		EI	1					
			108627575		A	125000	7250	-	7375	9.21,9.7	1	EI	1					



– Units =

the number of frequency assignments X number of classes of station X number of emissions

summed up for all frequency assignment groups

- Only applicable for categories C1, C2, C3, N1, N2, N3
- For these categories, flat fee applies for units > 100



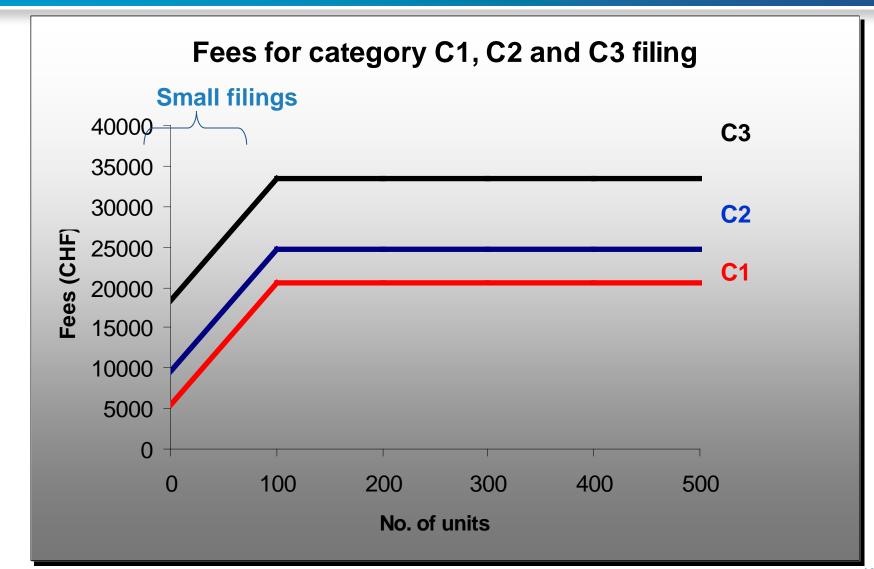
Example (units):

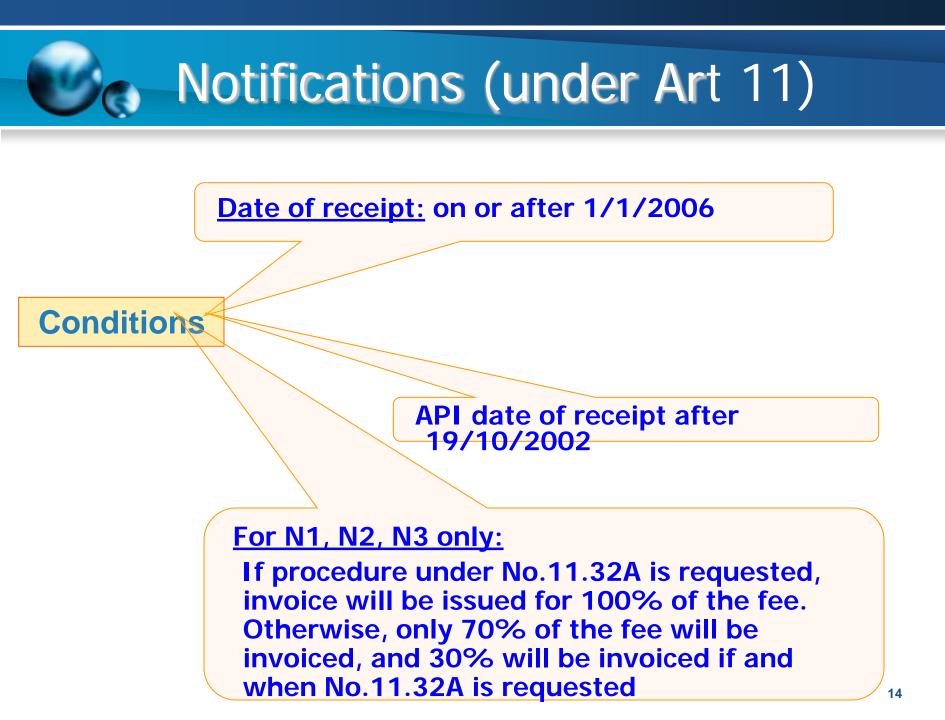
				_											
		N	b. of F	rec	X CI	ass c	of stat	tion	Nb	. of	_ = N	lumbe	r of	unit	tS
										•					
SECTION SPEC	SECTION SPECIAL / SPECIAL SECTION / SECCIÓN ESPECIAL / 特市+СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص CR/C/2222									22					
	at. Network		-3A		A1f1 Notifying	g adm. NRU	A1f3 Inter	. sat. org.		BR1 Date of receipt 15.0	5.2008	BR20/BR21 BR II	FIC no./part	2629/	
BR6a/BR6b	ld. no. 10	8520131		Bl	R3a/BR3b Pro	vision reference	e 9.6	C		BR2 Adm. serial no.					
															_
B1a	B2	BR8	BR7a	BR9	13A	C3a		BR47	_	BR15	BR53	G4a	BR54	BR55	
Beam	Emi-Rcp	Action	Group id.	Action	Conformity	Assigned	Frequ	ency band (I	MHZ)	Provision reference	Nb of	Class of station	N	Nb of uni	ts
designation		code		code	with RR	freq. band					freq.		emiss.		
		-	108617349		A	3000000	71000		4000	9.7		EC EC	3		3
		-	108617350		A	3000000	71000		4000	9.7		EI	3		3
		-	108617351 108617352		A A	3000000	71000		4000	9.7		EI	3		3
		-	108617352		A	3000000	71000		4000	9.7	1		3		3
			108617353		A	2000000	74000		6000	9.7	1	EB, EV	3	_	6
			108617354		A	2000000	74000		6000	9.7	1		3	-	6
		-	108617356		A	2000000	74000		6000	9.7		EB, EV	3	-	6
WD2	Е		108617357		A	3000000	71000		6000	9.7		EC	3	-	6
WDZ	4		108617358		A	3000000	71000		6000	9.7	2		3		6
			108617359		A	3000000	71000		6000	9.7	2		3	_	6
			108617360		A	3000000	71000		4000	9.7	1		3		3
			108617361		A	3000000	71000		4000	9.7	1		3	_	3
			108617362		A	3000000	71000		4000	9.7	1		3		3
			108617363		A	2000000	74000		6000	9.7	1	EB, EV	3		6
			108617364		A	2000000	74000	- 7	6000	9.7	1	EB, EV	3		6
			108617365		A	2000000	74000	- 7	6000	9.7	1	EB, EV	3		6
WD3	E		108617378		A	3000000	71000	- 7	6000	9.7	2	EC	3		6
			108617379		A	3000000	71000		6000	9.7	2	EC	3		6
			108617380		A	3000000	71000	- 7	6000	9.7	2	EC	3		6
			108617381		A	3000000	71000	- 7	4000	9.7	1	EI	3		3
			108617382		A	3000000	71000	- 7	4000	9.7	1	EI	3		3
			108617383		A	3000000	71000	- 7	4000	9.7	1	EI	3		3
			108617384		A	2000000	74000	- 7	6000	9.7	1	EB, EV	3		6
		[108617385		A	2000000	74000	- 7	6000	9.7	1	==, =.	3		6
			108617386		A	2000000	74000	- 7	6000	9.7	1	EB, EV	3		6

BR57 Category	61
BR56 Total number of units	369
	- 565



Category	Number of costrec forms of coordination	Fees (CHF)
C1	1	5 560 + 150 x Units
		(max 20 560)
C2	2 or 3	9 620 + 150 x Units
		(max 24 620)
C3	4 or more	18 467+ 150 x Units
		(max 33 467)







Category	Number of costrec forms of coordination	Fees (CHF)
N1	1	15 910 + 150 x Units (max 30 910)
N2	2 or 3	42 920 + 150 x Units (max 57 920)
N3	4 or more	42 920+ 150 x Units (max 57 920)
N4	Not subject to coordination	7 030

Fees for category N1, N2, N3 and N4 filing **Small filings** 70000 ¬ N2, N3 Fees (CHF) **N1 N4** No. of units



Category	Description	Flat fee (CHF)
P1	AP30/E, AP30A/E, AP30-30E/ (Part A or Part B)	28 870
P2	Notification under Article 5 of AP30/30A	11 550
P3	Coordination request under Article 2A of AP30/30A	12 000
P4	Procedures under Article 6 of AP30B	25 350
P5	Notification under Article 8 of AP30B	20 280

Co Invoicing process:

- •Upon receipt of filing, the BR establishes the receivability of the filings
- Invoice will be issued based on the category and units of the filing accessed at that time (see SpaceCap).
- •Following the detailed examination of the notice, if the category or units of the filing is found to be any different, any excess fee (or refund) will be issued after the publication of the notice

Using SpaceCap to estimate cost recovery fee



Cost Recovery Analysis (Dec 482 C2005)

Analysis run at: 15:27:46 on 06.10.2008

Notice id: 1

Satellite Network: SWANSAT-3A

Services: EB,EC,ED,EI,EK,ER,ES,ET,EV

Provisions: 9.11,9.7

Category: C2

Cost Recovery Units: 369

Estimate of Cost Recovery Fee

Flat Fee: CHF 24'620 (Category C2)

Total Fee: = CHF 24'620

Please note that this is an estimation.

Address field on the invoice:

- Invoice will be issued to the Administration.
- <u>Address</u>: Only if an Administration request for it in writing, the invoice can be issued directly to the operator, with a copy to the Administration.

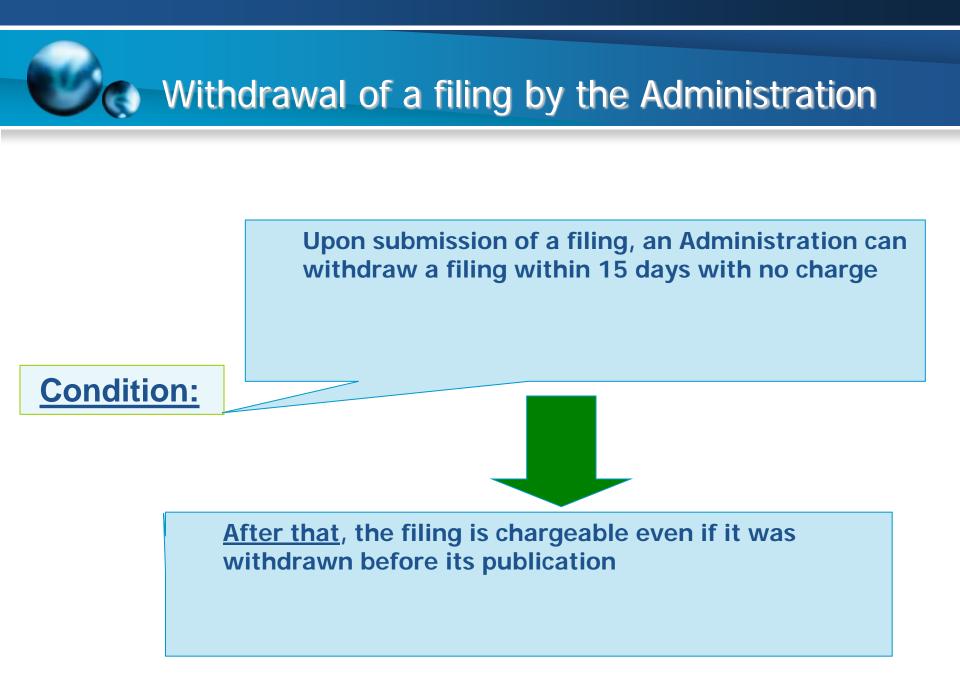






• WRC-2003

- No.9.2B.1, 9.38.1 etc.
 - The Bureau shall send a reminder 60 days before the due date for payment
 - If payment is not received by the due date (which is 6 months from the date of the invoice), the Bureau shall cancel the publication
- WRC-2007
 - Extended to all notifications and some additional sections of Appendix 30B
 - If notifications received and or after 1st December 2006
 - If payment is not received by 15 May 2008, the filings will be cancelled



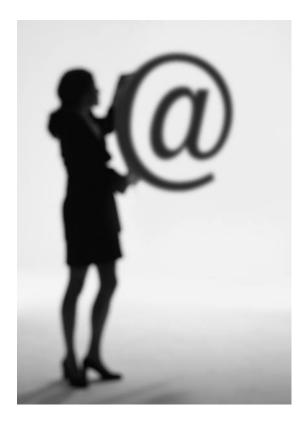
Annual free entitlement

- Each Member state shall be entitled to the publication of special sections for one satellite network each year without charge
- Nomination of the free entitlement
 - To be made by the member state in its role as the notifying administration
 - Should correspond to the year of receipt of the filing
 - Can be made at the time of submission or, at the latest, by the end of the period for payment of the invoice



- Council Decision 482 (C2012)
- BR Circular letter CR/295
- BR web site
 - -<u>http://www.itu.int/ITU-R/go/space-cost-</u> recovery

Co



Thanks for your kind attention!

Contact: chuen-chern.loo@itu.int