



# Implementation of cost recovery:

## Council Decision 482

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

## Radio Regulations No.9.38.1 etc

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

# 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?

## Filings

### 1/ API:

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

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### 2/ Coordination Requests

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### 3/ Plans:

- \* Modifications of the Space Service Plans and Lists
- \* The use of guardbands
- \* Requests for implementation of the FSS plans

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### 4/ Notification for recording space stations in the MIFR



# What Filings are not chargeable?

## Filings

- 1/ API for space stations subject to coordination
  - 2/ Notification for recording earth stations in the MIFR
  - 3/ Amateur-satellite service
- 
- 4/ Conversion of an allotment into an assignment with modification which is not beyond the envelop characteristics of the initial allotment
- 
- 5/ Addition of a new allotment to the plan for a new Member State of the Union in accordance with the procedure of Article 7 of Appendix 30B
-

# Fees for API (Art. 9 – Section IA)



# Categorization of Coordination Requests (Art. 9 – Section II)

1 form of  
coordination C1

Fee depends  
on the number  
of forms of  
coordination  
and units

4 or more forms of  
coordination C3

2 or 3 forms of  
coordination C2



# What are forms of coordination?

## Cost recovery form of coordination

A

B

C

D

E

F

## RR forms of coordination

No. 9.7, RS33.3

AP30 7.1, AP30A 7.1

No. 9.11, RS33 2.1, RS539

Nos. 9.7B, 9.11A, 9.12,  
9.12A, 9.13, 9.14

No. 9.7A

No. 9.21





# Example (Forms of coordination):



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS BUREAU DES RADIOCOMMUNICATIONS		INTERNATIONAL TELECOMMUNICATION UNION RADIOCOMMUNICATION BUREAU		UNIÓN INTERNACIONAL DE TELECOMUNICACIONES OFICINA DE RADIOCOMUNICACIONES		© I.T.U.
RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		LUX-G6-12		SECTION SPÉCIALE N° 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 NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	43.5 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN		108520161
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL						18.06.2008
<p>Cette demande de coordination, reçue par le Bureau des radiocommunications en vertu du numéro 9.30 du Règlement des radiocommunications, a été examinée au titre des numéros 9.35 et 9.36 et est publiée conformément au numéro 9.38. Elle est au bordonnée au type de coordination indiqué dans la colonne de gauche par un X dans la case pertinente.</p>		<p>This request for coordination, received by the Radiocommunication Bureau pursuant to No. 9.30 of the Radio Regulations, has been examined under Nos. 9.35 and 9.36 and is published in accordance with No. 9.38. It is subject to the form of coordination indicated in the left-hand column by an X in the relevant box.</p>		<p>Esta solicitud de coordinación, recibida por la Oficina de Radiocomunicaciones de conformidad con el punto N° 9.30 del Reglamento de Radiocomunicaciones, se ha examinado de conformidad con los N° 9.35 y 9.36 y se publica de conformidad con el N° 9.38. Está sujeta al formulario de coordinación indicado en la columna de la izquierda con una X en la casilla correspondiente.</p>		
Type de coordination mentionné dans le Tableau I / Form of coordination referred to in Table I / Forma de coordinación mencionada en el cuadro I						
<input checked="" type="checkbox"/> 9.7 <input type="checkbox"/> 9.7A <input type="checkbox"/> 9.7B <input type="checkbox"/> 9.42 <input checked="" type="checkbox"/> AP30#7.1 <input checked="" type="checkbox"/> AP30A#7.1 <input type="checkbox"/> RS77 <input type="checkbox"/> RS84 <input type="checkbox"/> RS539 <input type="checkbox"/> RS33#3		<p>Conformément aux numéros 9.50 à 9.52 du Règlement des radiocommunications, les Administrations identifiées dans le Tableau I ci-après sont priées de communiquer leur décision à l'Administration responsable et au Bureau avant la date limite indiquée ci-dessous.</p>		<p>In accordance with Nos. 9.50-9.52 of the Radio Regulations, the Administrations identified in Table I below are requested to communicate their decision to the Responsible administration and the Bureau by the deadline indicated below.</p>		
<p>De conformidad con los N° 9.50-9.52 del Reglamento de Radiocomunicaciones, se solicita a las administraciones señaladas en el cuadro I a continuación que comuniquen su decisión a la administración responsable y a la Oficina antes del plazo indicado más abajo.</p>						
Type de coordination mentionné dans le Tableau II / Form of coordination referred to in Table II / Formulario de coordinación remitido al cuadro II						
<input checked="" type="checkbox"/> 9.11 <input checked="" type="checkbox"/> 9.11A <input type="checkbox"/> 9.12 <input type="checkbox"/> 9.12A <input checked="" type="checkbox"/> 9.13 <input checked="" type="checkbox"/> 9.14 <input checked="" type="checkbox"/> 9.21/A <input checked="" type="checkbox"/> 9.21/B <input checked="" type="checkbox"/> 9.21/C <input type="checkbox"/> RS33#2.1		<p>Les Administrations, énumérées ou non énumérées dans le Tableau II ci-après, qui n'acceptent pas la demande de coordination au titre des numéros 9.11 à 9.14, 9.21 et RS33#2.1, sont priées de communiquer leurs observations à l'Administration responsable et au Bureau avant la date limite indiquée ci-dessous. Toute Administration qui ne réagira pas au titre du numéro 9.52 avant cette date limite sera considérée comme n'étant pas défavorablement influencée et, dans les cas couverts par les numéros 9.11 à 9.14 et RS33#2.1, les dispositions des numéros 9.48 et 9.49 s'appliqueront.</p>		<p>Administrations listed or not listed in Table II below, which do not agree to the request for coordination under Nos. 9.11 to 9.14, 9.21 and RS33#2.1 are requested to communicate their comments to the responsible administration and the Bureau by the deadline indicated below. Any administration not responding under No. 9.52 within this deadline shall be regarded as unaffected and, in the cases of Nos. 9.11 to 9.14 and RS33#2.1, the provisions of Nos. 9.48 and 9.49 shall apply.</p>		
<p>Se invita a las administraciones, enumeradas o no en el cuadro II, que no estén de acuerdo con la solicitud de coordinación de conformidad con los N° 9.11 a 9.14, 9.21 y RS33#2.1 que comuniquen sus observaciones a la administración responsable y a la Oficina dentro del plazo indicado más abajo. Se considerará que toda administración que no responda de conformidad con el N° 9.52 dentro del plazo señalado, no está afectada y, en el caso de los N° 9.11 a 9.14 y RS33#2.1, se aplicarán las disposiciones de los N° 9.48 y 9.49.</p>						
DATE LIMITE POUR LA DÉCISION / EXPIRY DATE FOR DECISION / FECHA LÍMITE PARA LA DECISIÓN						11.03.2009





# Cost recovery summary in CR/C

SECTION SPECIALE / SPECIAL SECTION / SECCIÓN ESPECIAL / 特节 / СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص										CR/C/2245
A	A1a Sat. Network	LUX-G6-12	A1f1 Notifying adm.	LUX	A1f3 Inter. sat. org.		BR1 Date of receipt	18.06.2008	BR20/BR21 BR IFIC no./part	2632/
	BR6a/BR6b Id. no.	108520161	BR3a/BR3b Provision reference	9.6	C		BR2 Adm. serial no.			

B1a Beam designation	B2 Emi-Rcp	BR8 Action code	BR7a Group id.	BR9 Action code	13A Conformity with RR	C3a Assigned freq. band	BR47 Frequency band (MHz)		BR15 Provision reference	BR53 Nb of freq.	C4a Class of station	BR54 Nb of emiss.	BR55 Nb of units
TUHR	E		108627556		A-----	77000	235	- 312	9.21, 9.7	1	EI	2	2
			108627557		A-----	7000	315	- 322	9.21, 9.7	1	EI	2	2
			108627558		A-----	64500	335.4	- 399.9	9.13, 9.21, 9.7	1	EI	2	2
TV1R	E		108627559		A-----	2000000	37500	- 42500	9.7	2	EC	1	2
			108627560		A-----	1000000	39500	- 40500	9.7	1	EC	1	1
			108627561		A-----	1000000	39500	- 40500	9.7	1	EI	1	1
			108627562		A-----	1000000	41000	- 42000	9.7	1	EV	1	1
TV2R	E		108627563		A-----	2000000	37500	- 42500	9.7	2	EC	1	2
			108627564		A-----	1000000	39500	- 40500	9.7	1	EC	1	1
			108627565		A-----	1000000	39500	- 40500	9.7	1	EI	1	1
			108627566		A-----	2000000	40500	- 42500	9.7	1	EV	1	1
TVR	E		108627757		A-----	30000	2170	- 2200	9.13, 9.14, 9.7	1	EI	6	6
TX1R	E		108627567		A-----	125000	7250	- 7375	9.7	1	EC	1	1
			108627568		A-----	125000	7250	- 7375	9.7	1	EC	1	1
			108627569		A-----	125000	7250	- 7375	9.7	1	EC	1	1
			108627570		A-----	375000	7375	- 7750	9.7	1	EC	1	1
			108627571		A-----	375000	7375	- 7750	9.7	1	EC	1	1
			108627572		A-----	375000	7375	- 7750	9.7	1	EC	1	1
			108627573		A-----	125000	7250	- 7375	9.21, 9.7	1	EI	1	1
			108627574		A-----	125000	7250	- 7375	9.21, 9.7	1	EI	1	1
			108627575		A-----	125000	7250	- 7375	9.21, 9.7	1	EI	1	1

BR57 Category		C3
BR56 Total number of units		398

# What are Units?

X

- the number of frequency assignments

X

- Number of classes of station

=

- Number of emissions

Units

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):

Nb. of Freq x Class of station x Nb. of emiss. = Number of units

SECTION SPECIALE / SPECIAL SECTION / SECCIÓN ESPECIAL / 特殊 / СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص										CR/C/2222	
A	A1a Sat. Network	SWANSAT-3A	A1f1 Notifying adm.	IRU	A1f3 Inter. sat. org.		BR1 Date of receipt	15.05.2008	BR20/BR21 BR FIC no./part	2629/	
BR6a/BR6b Id. no.		108520131	BR3a/BR3b Provision reference		9.7	C	BR2 Adm. serial no.				

B1a Beam designation	B2 Emi-Rcp	BR8 Action code	BR7a Group id.	BR9 Action code	13A Conformity with RR	C3a Assigned freq. band	BR4 Frequency band (MHz)	BR15 Provision reference	BR53 Nb of freq.	C4a Class of station	BR54 Nb of emiss.	BR55 Nb of units
			108617349		A-----	3000000	71000 - 74000	9.7	1	EC	3	3
			108617350		A-----	3000000	71000 - 74000	9.7	1	EC	3	3
			108617351		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
			108617352		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
			108617353		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
			108617354		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6
			108617355		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6
WD2	E		108617356		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6
			108617357		A-----	3000000	71000 - 76000	9.7	2	EC	3	6
			108617358		A-----	3000000	71000 - 76000	9.7	2	EC	3	6
			108617359		A-----	3000000	71000 - 76000	9.7	2	EC	3	6
			108617360		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
			108617361		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
			108617362		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
WD3	E		108617363		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6
			108617364		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6
			108617365		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6
			108617378		A-----	3000000	71000 - 76000	9.7	2	EC	3	6
			108617379		A-----	3000000	71000 - 76000	9.7	2	EC	3	6
			108617380		A-----	3000000	71000 - 76000	9.7	2	EC	3	6
			108617381		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
			108617382		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
			108617383		A-----	3000000	71000 - 74000	9.7	1	EI	3	3
			108617384		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6
			108617385		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6
			108617386		A-----	2000000	74000 - 76000	9.7	1	EB, EV	3	6

BR57 Category		61
BR56 Total number of units		369



# Fees for Coordination Requests

## Category

C1

C2

C3

## Number of costrec forms of coordination

1

2 or 3

4 or more

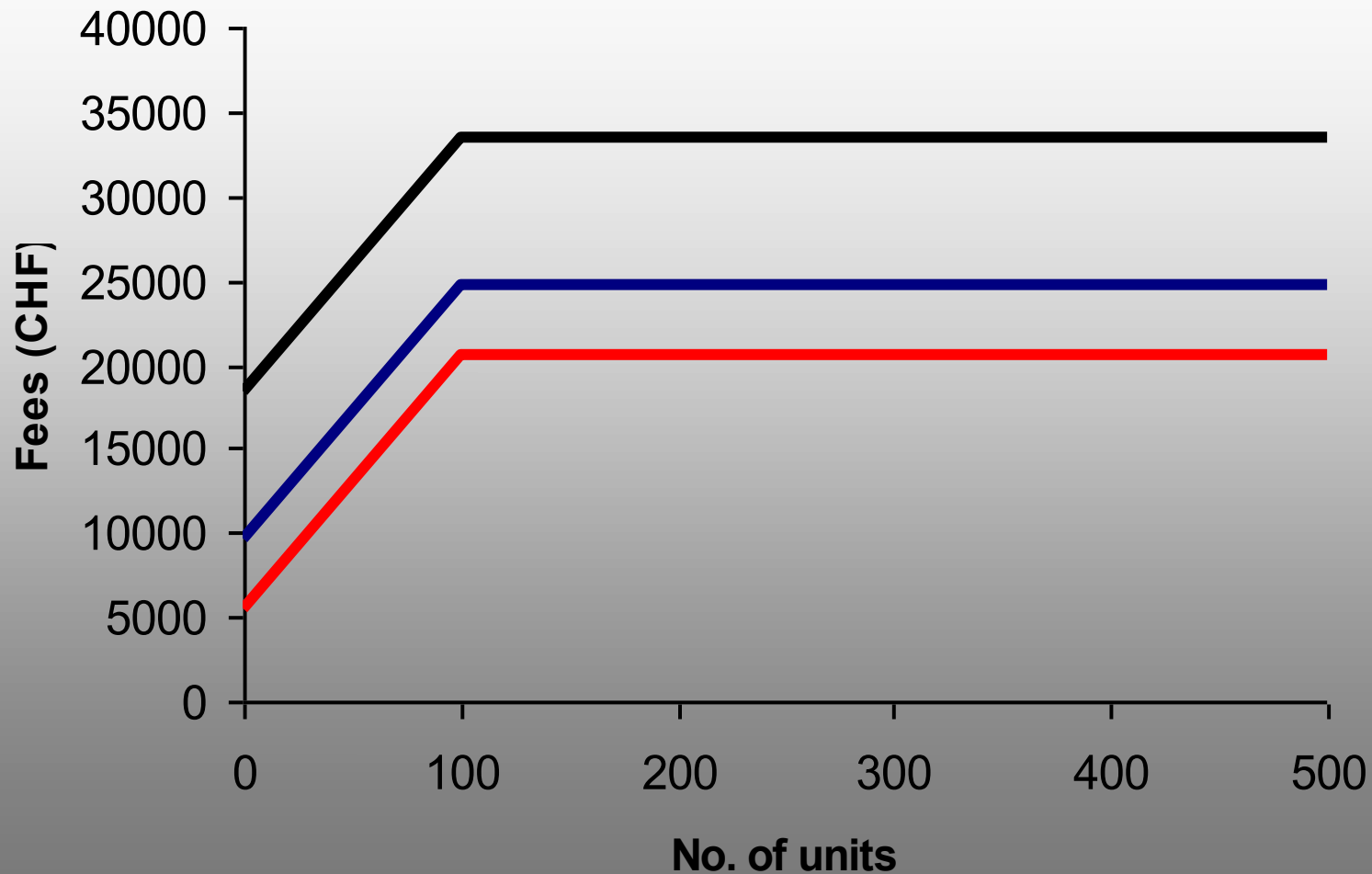
## Fees

$5\,560 + 150 \times \text{Units}$   
(max 20 560)

$9\,620 + 150 \times \text{Units}$   
(max 24 620)

$18\,467 + 150 \times \text{Units}$   
(max 33 467)

## Fees for category C1, C2 and C3 filing





# Notifications (under Art 11)

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Date of receipt: on or after 1/1/2006

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API date of receipt after 19/10/2002

## Conditions

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For N1, N2, N3 only:

If procedure under No.**11.32A** is requested, invoice will be issued for 100% of the fee. Otherwise, only 70% of the fee will be invoiced, and 30% will be invoiced if and when No.**11.32A** is requested by the Administration.

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# Categorization of Notifications

1 form of coordination

N1

N4

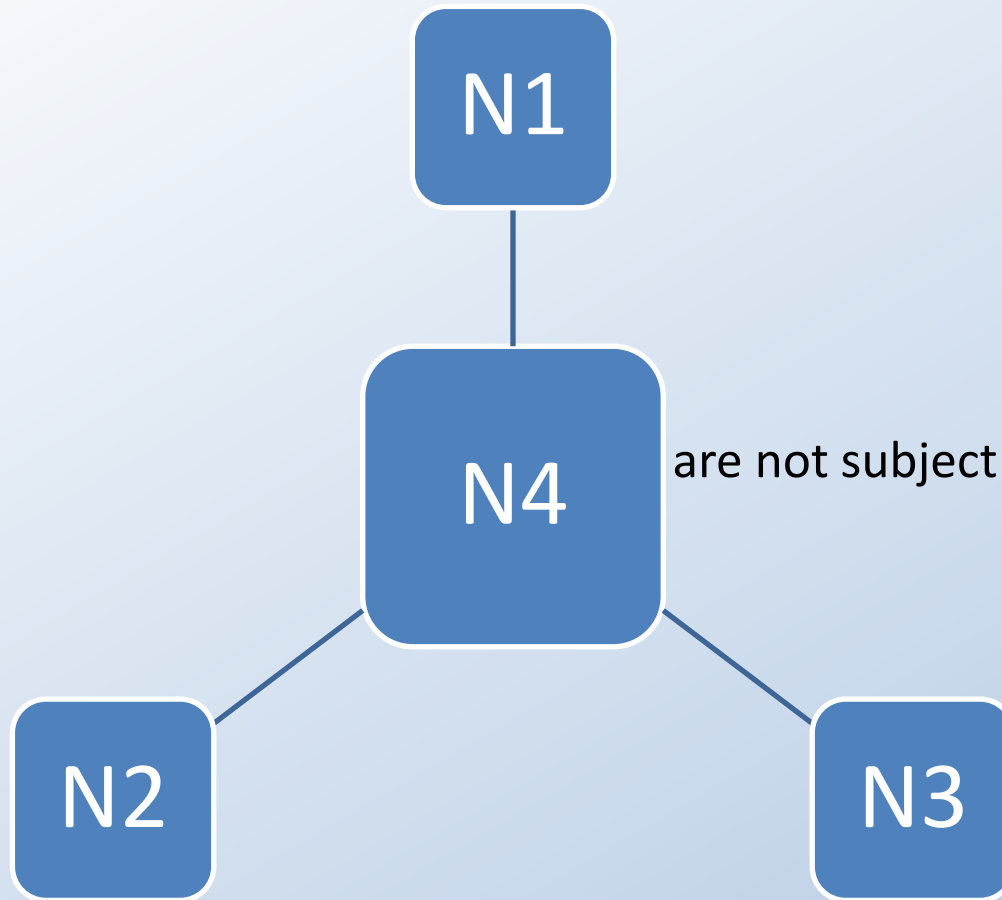
are not subject to coordination

N2

N3

2 or 3 forms of coordination

4 or more forms of coordination







# Fees for Notification (Art 11)

## Category

N1

N2

N3

N4

## Number of costrec forms of coordination

1

2 or 3

4 or more

—

## Fees

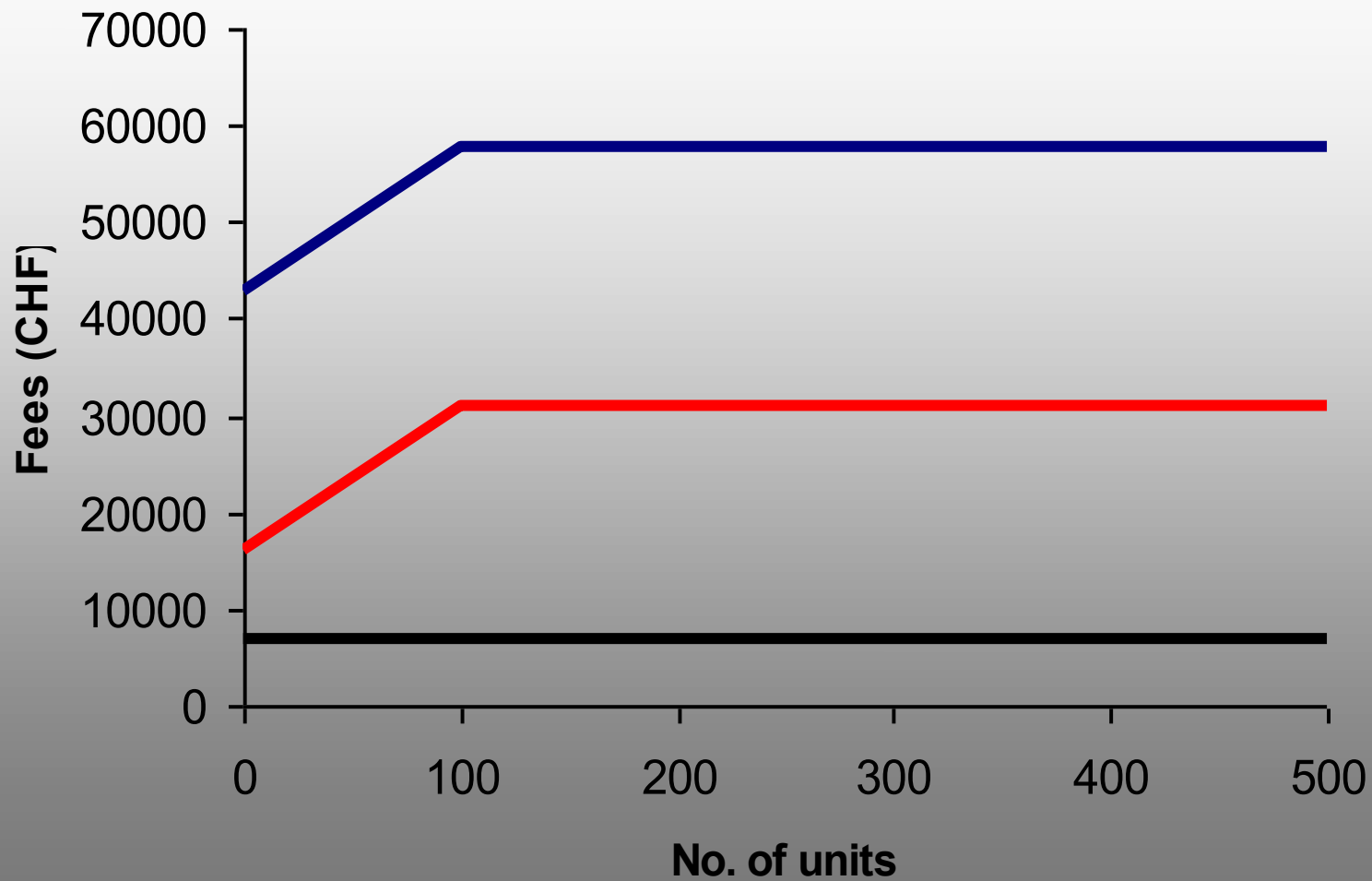
$15\,910 + 150 \times \text{Units}$   
(max 30 910)

$42\,920 + 150 \times \text{Units}$   
(max 57 920)

$42\,920 + 150 \times \text{Units}$   
(max 57 920)

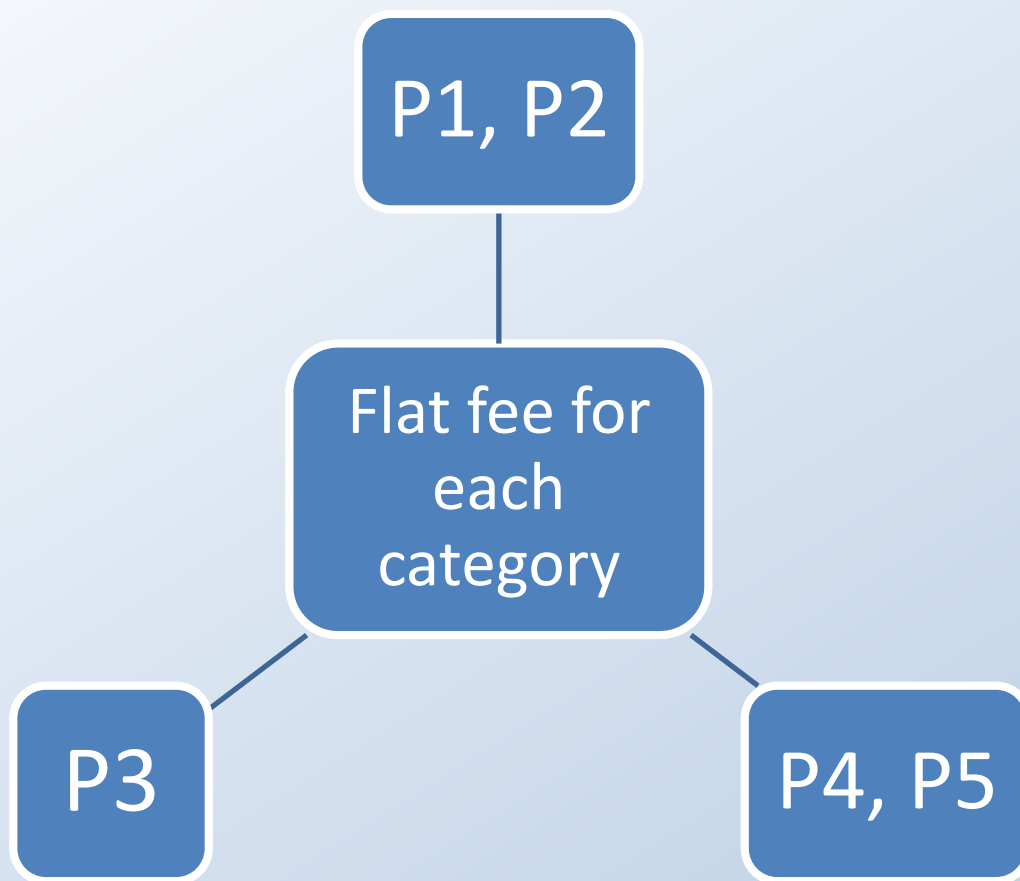
7030

## Fees for category N1, N2, N3 and N4 filing



# Categorization of Plans

Art 4 & 5 of AP 30/30A



Art 2A of AP 30/30A

Art 6 & 8 of AP30B



# Fees for Plans (AP30/30A/30B) - Flat fee for each category

Category	Description	Flat fee CHF
P1	AP30/E, AP30A/E, AP30-30E/ (Part A or Part B) - Part B chargeable only if that Part A received after 7/11/98	28 870
P2	Notification under Article 5 of AP30/30A - Notification chargeable only if Part A received on or after 19/10/2002	11 550
P3	Coordination request under Article 2A of AP30/30A	12 000
P4	Procedures under Article 6 of AP30B (submission under 6.17 chargeable only if the submission under 6.1 received before 17 Nov 07)	40 560 (25 350 if received from 17.11.07)
P5	Notification under Article 8 of AP30B - Notification chargeable only if requests for implementation for FSS plan received on or after 19/10/2002	32 450 (20 280 if received from 17.11.07)



# Fees for Consolidation of frequency assignments in the MIFR of different GSO networks (WRC-12)

Category

Description

Flat fee CHF

N1

Networks submitted under Article 11

15 910  
+150xUnits  
(max 30 910)

P3

Networks submitted under Appendices  
30 or 30A

11550

P5

Networks submitted under Appendix  
30B

20 280



## Invoicing process

### Upfront Stage:

Upon receipt of filing, the BR establish receivability  
Invoice will be issued based on the category and  
units of the filing at that time (see SpaceCap).

### Publication Stage (IFIC):

Following the detailed examination of the notice, if  
the category or units of the filing is found to be any  
difference, any excess fee (or refund) will be issued  
after the publication of the notice



# SpaceCap :

SpaceCapture V6 System

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN RS49

SpaceCap

Start Page

Notice Explorer

Open Notice

New Notice

Search

Notice Explorer - AP4/II and AP4/III

Notice id.	Type	Adm./Org.	Orb. Pos.	Station name	Date rcv.
List of notices Count=1					
0000000001[A]	G	D /	116.8W	NEWSAT 1A	29.09.2008
Beam id: RH					
Beam id: RV					
Beam id: TH					
Beam id: TV					

Control Box

Clone

MASTER DB SNS

Show

Export

Delete





# SpaceCap

## **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.



# Adress field on the invoice

Invoice will be issued to the Administration

Adress : only if an administration request for it in writing, the invoice can be issued directly to the operator, with a copy to the Administration

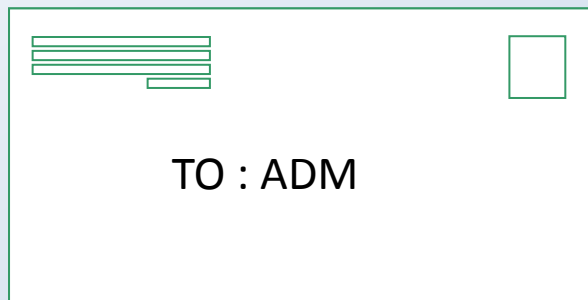


Diagram of an invoice form for the Administration. It features a green border, a header with four horizontal lines and a small square box on the right, and the text "TO : ADM" centered below.

TO : ADM

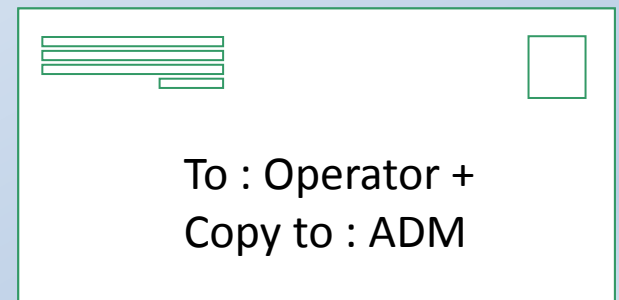


Diagram of an invoice form for the Operator with a copy to the Administration. It features a green border, a header with four horizontal lines and a small square box on the right, and the text "To : Operator + Copy to : ADM" centered below.

To : Operator +  
Copy to : ADM



UNION INTERNATIONALE DES TELECOMMUNICATIONS  
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Téléc: 421 000 UIT CH

TELEFAX  
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TELETEX  
238-48815100=uit

Invoice

Invoice number 6100015063  
Invoice date 13 Nov 2014  
**Due date** **13 May 2015**  
Customer Number 2115  
Reference G LD101

To:  
OFCOM  
Riverside House  
2a Southwark Bridge Road  
LONDON  
SE1 8HA  
ROYAUME-UNI  
  
On behalf of:  
Avanti Communications Ltd.  
74 Rivington Street  
LONDON  
EC4A 3AY  
ROYAUME-UNI

Currency CHF

Description

Space Station UKDIGISAT-4A  
Date of Receipt 05.11.2014  
Responsible Administration G  
Administration's reference SSU 1708  
Administration's ref. date 05.11.2014  
Category Plans (P1)

Notice ID 107552002

Items total:		28,870.00
Price Type	Unit	Value
Sat Network Filing	Flat fee	28,870.00
Final amount:		28,870.00

**Note that any additional charges will be invoiced after the publication of the above notice.**

**Please quote invoice number 6100015063 with your payment.**

For the payment status for this invoice, please contact  
Claire Evangelisti, Financial Resources Management Department  
E-mail: [claire.evangelisti@itu.int](mailto:claire.evangelisti@itu.int)  
telephone: +41 22 730 5851

Les paiements sont à effectuer en francs suisses à l'ordre du Secrétariat général de l'U.I.T.

Payments should be made in Swiss Francs to the General Secretariat of the I.T.U.

Los pagos deben efectuarse en francos suizos a la orden de la Secretaría General de la U.I.T.

Banque - Bank - Banco: UBS SA, PO Box 2600, 1211 Genève, Account No CH9600240240C87655650, Swift No : UBSWCHZH80A



# Cancellation of a filing due to non-payment

## 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 1<sup>st</sup> December 2006
  - If payment is not received by 15 May 2008, the filings will be cancelled



# Withdrawal or suppression of a filing by the Administration

Condition :

Upon submission of a filing, an Administration can withdraw a filing within 15 days with no charge

After that, the filing is chargeable even if it was withdrawn before its publication



# 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 free entitlement

## Conditions

To be made by the **member state** in its role as the notifying administration

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Should correspond to the **year of receipt** of the filing

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To be made **by the end of the period for payment of the invoice**

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# References

- Council Decision 482 (modified C2013)
- BR Circular letter CR/245
- BR web site
  - <http://www.itu.int/ITU-R/space/costrec>