HILLING TUNNES GENEVA2024

2-6 December 2024 Geneva, Switzerland





COST RECOVERY FOR SATELLITE NEWORKS FILINGS

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2-6 December 2024, Geneva, Switzerland



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?



1/ API

* API for NGSO not subject to coordination

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

2/Coordination Requests(including Specific Earth Station under Nos. 9.7A or 9.21) 3/ Plans

* Modifications of the Space Service Plans and Lists

Filings

* The use of guard bands

*Conversion of an allotment into assignment with modification beyond the envelop characteristics of the initial allotment

* Requests for implementation of the FSS plans

* Requests under Resolution 121 (WRC-23) (Appendix 30B ESIM)- as of 1/1/2025

4/ Notification for recording space stations in the MIFR(including Specific Earth Station under Nos. **9.7A** or **9.21**)

5/ Consolidation for of different GSO at the same orbital www.itu.int/wrs-24 5 position into a single satellite network

Which Filings are not chargeable?

Filings



1/ Notification for recording earth stations in the MIFR(excluding Specific Earth Station under Nos. **9.7A** or **9.21**)

2/ Publication of special sections and Parts for the amateursatellite service

3/ Conversion of an allotment into an assignment with modification which is not beyond the envelop characteristics of the initial allotment

4/ 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)

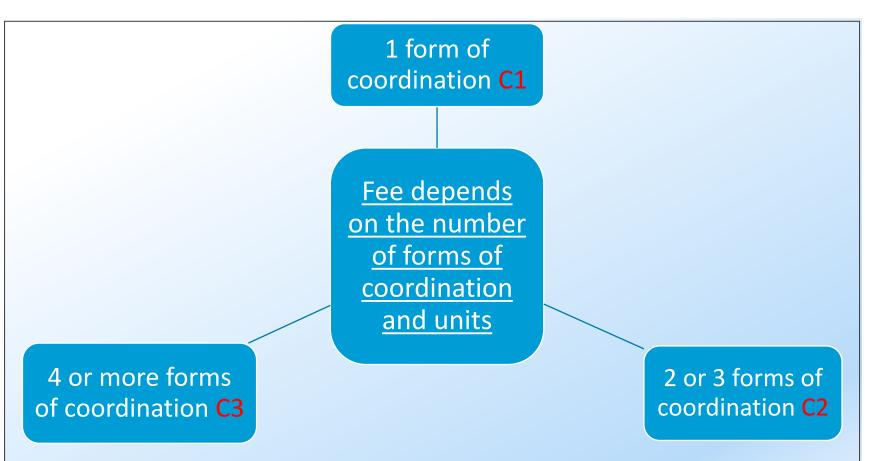


Flat fee 570 CHF

API (for Networks not subject to coordination)

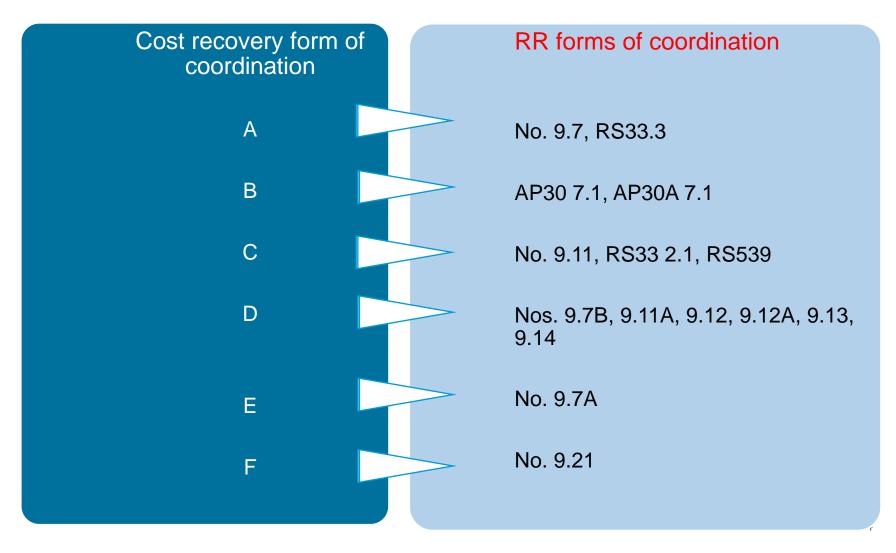








What are forms of coordination?



Example (Forms of coordination):



RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE	LUX-G6-12				CTION SPÉCIALE Nº ECIAL SECTION No. CCIÓN ESPECIAL N.º		CR/C/2245		
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		LON GITUDE NOMINALE NOMINAL LONGITUDE LON GITUD NOMINAL			BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA		2632 / 11.11.2008		
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	LUX				MÉRO D'IDENTIFICATION ENTIFICATION NUMBER MERO DE IDENTIFICACIÓN		108520161		
RENSEIGNEMENTS REÇUS	PAR LE BUREAU LE /	INFORMATION R	ECEIVED BY THE BURE	AU ON / INFOR	MACIÓN RECIBIDA POR LA C	FICINA EL	18.06.2008		
Cette demande de coordination, re vertu du numéro 9.30 du Réglem en tire des numéros 9.35 et 9.36 et e est aubordionnée au type de coordi un X dans la case pertinente. Type de coordination mentionné di	t des radiocommunications, st publiée conformément, au nation indiqué d'ans la colo	, a été examinée au u numéro 9.38. Elle inne de gauche par	pursuant to No. 9.30 of the 9.35 and 9.36 and is publis form of coordination indicate	Radio Regulation shed in accordance ed in the left-hand o	the Radiocommunication Bureau a, has been examined under Nos. with No. 9.38. It is subject to the solumn by an X in the relevant box	Radiocomur Reglamento con los Nº 9 sujeta al fo	tud de coordinación, recibida por la Oficina d licaciones de conformidad con el punto № 9.30 de de Radiocomunicaciones, se ha examinado de conformida 3.35 y 9.36 y se publica de conformidad con el № 9.38. Est rmulario de coordinación indicado en la columna de l n una X en la casilia correspondiente.		
X 9.7	insie labieau i/ Porth of c	oord in a soin, reneimed s	o in 1 able 17 Forma de coordi	nacion mendionada	a en el cuadro i	1			
9.7A 9.7B 9.42 K AP3087.1 X AP3087.1 R577 R584 R5539 R5539 R5539	des radio dans le 1 leur décis	communications, les l'ableau i ci-après so	9.50 à 9.52 du Règlement Administrations identifiées nf prées de communiquer responsable et au Bureau descous	the Administration to communicate	th Nos. 9.50–9.52 of the Radio Reg ns identified in Table I below are ne a their decision to the Res d the Bureau by the deadline in	quested Ra ponsible set ndicated dec	conformidad con los N ²⁴ 9.50-9.52 del Reglamento o diocomunicaciones, se solicita a las administracion laladas en el cuadro i a continuación que comuniquen s tación a la administración responsable y a la Oficina anté plazo indicado más abajo.		
11	ans le Tableau II / Form of c	coordination referred t	to in Table II / Formulario de o	coordinación remitio	do al cuadro II				
X 9.11 X 9.11A 9.12	9.11A Les Administrations, énumérées ou non énumérées dans le Tableau II ci aprés, qui n'acceptent pas la demande de coordination au titre des numérios 9.11 à 9.14, 9.21 et 9.12A 9.12 RS3342.1, sont préss de communique leurs do servations X 9.13 à 1.4 de des numéries de communique leurs do servations à l'Administration responsable et au Bureau avant la date intrie indiquée di dessous. Toute Administration qui ne			not agree to the 9.14, 9.21 and R3 comments to the by the deadline	sted or not listed in Table II below, w request for coordination under Nos 33421 are requested to communic responsible administration and the indicated below. Any administrat r No. 9.52 within this deadline s	9.11 to cua ate their RS Bureau adr tion not red	Se invita a las administraciones, enumeradas o no en cuadro II, que no estén de acuerdo con la solicitud coordinación de conformidad con los N ⁴⁹ 9.11 a 9.14, 9.21 R83382.1 que comuniquen sus observaciones a administración responsable y a la Oficina dentro del pla indicado más abajo. Se considerará que toda administración plazo señalado, no está afectada y, en el caso de los N ⁴⁹ 9.1 9.14 y R\$3382.1, se aplicarán las disposiciones de los N ⁴⁹ 9. 9.49		

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WRS

Cost recovery summary in CR/C

A A1a Sat. Network LUX-G6-12 BR6a/BR6b Id. no. 108520161			A111 Notifying adm. LUX BR3a/BR3b Provision reference			A1f3 Inter. sat. org.		C	BR1 Date of receipt 18.06 BR2 Adm. serial no.	,2008	BR20/BR21 BR IF	TC no./part	/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 ncy ban	d (MHz)	BR15 Provision reference	BR53 Nb of freq.	C4a Class of station	BR54 Nb of emiss.	BR55 Nb of units
TUHR E	E	4 y	108627556	90 - P	A	77000	235	1020	312	9.21,9.7	1	EI	2	2
	2.23	1	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	Е		108627559		A	2000000	37500	-	42500	9.7	2	BC	1	2
			108627560		A	1000000	39500	12	40500	9.7	1	EC	1	1
		1	108627561		A	1000000	39500	1	40500	9.7	1	EI	1	1
		108627562	at i	A	1000000	41000	10 ¹² 13	42000	9.7	1	EV	a 1	1	
TV2R	Е		108627563		A	2000000	37500	1	42500	9.7	2	EC	1	2
			108627564		A	1000000	39500	10	40500	9.7	1	EC	1	
			108627565		A	1000000	39500	-	40500	9.7	1	EI	1]]]
		1	108627566	ø - }	A	2000000	40500	02755	42500	9.7	1	EA	1	1
TVR	E		108627757		A	30000	2170	- 243	2200	9.13,9.14,9.7	1	EI	6	6
TX1R	Е		108627567		A	125000	7250	14	7375	9.7	1	EC	1	3
		1	108627568		A	125000	7250		7375	9.7	1	EC	1	1
			108627569		A	125000	7250	-	7375	9.7	1	EC	1	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]]
			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	3

BR5/	Category
BR56	Total number of units



WRS





- The number of frequency assignments
- 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 of units calculation

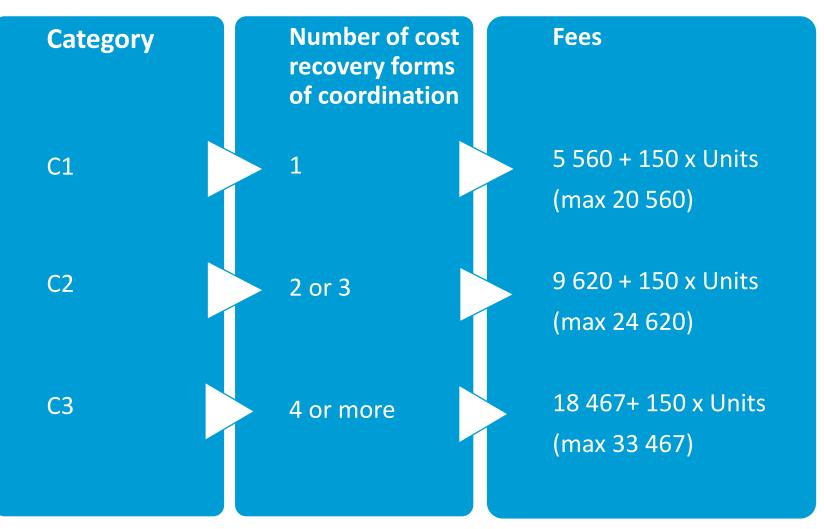


Nb.	of Fr	eq x		<u>Cla</u>	lass of station x Nb. of emiss. = Numb						Numbe	er of units			
SECTION SPEC	CIALE / SPE	CIAL SEC	TION / SECCIÓ	NEODEO	CIAL / 特节 / C	ПЕЦИАЛЬНАЯ		القسم الخا						CR/C/	/2222
											25 2222	BR20/BR21 BR	10	0.000	_
the second se	at. Network		-3A		A1f1 Notifying		A1f3 Inter	set org	·	BR1 Date of receipt 15.	05.1008	BR20/BR21 BR	ic no./part	2629	4
BR6a/BR6b	ld. no. 108	3520131		BF	R3a/BR3b Pro	vision reference	e 9.6			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 freg. band	Freque	BR47 ency ban	d (MHz)	BR15 Provision reference	BR53 Nb of freq.	C4a Class of station	BR34 Nb of emiss.	BR Nb of	
debignation			108617349		A	3000000	71000	-	74000	9.7		EC	3		3
			108617350		A	3000000	71000	-	74000	9.7	1	EC	3		3
			108617351		A	3000000	71000	-	74000	9.7		EI	3		3
			108617352		A	3000000	71000	-	74000	9.7	1	EI	3		3
		ľ	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
2			108617356		A	2000000	74000	-	76000	9.7	1	EB, EV	3		6
WD2	E		108617357		A	3000000	71000	-	76000	9.7	2	EC	3		6
			108617358		A	3000000	71000	-	76000	9.7	2	EC	3		6
	1 1		108617359		A	3000000	71000	-	76000	9.7	2	EC	3	2	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
	1 1	[108617363		A	2000000	74000	-	76000	9.7	1	EB, EV	3		6
	1 1	[108617364		A	2000000	74000	-	76000	9.7	1	EB, EV	3		6
			108617365		A	2000000	74000	2	76000	9.7	1	EB, EV	3		6
WD3	E		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		EC	3		6
			108617381		A	3000000	71000	-	74000	9.7	1	EI	3		3
		(108617382		A	3000000	71000	-	74000	9.7		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	<u>1</u>	76000	9.7	1	EB, EV	3		6
			108617386		A	2000000	74000	-	76000	9.7	1	EB, EV	3		6

BR57 Category	C1
BR56 Total number of units	369
	\sim

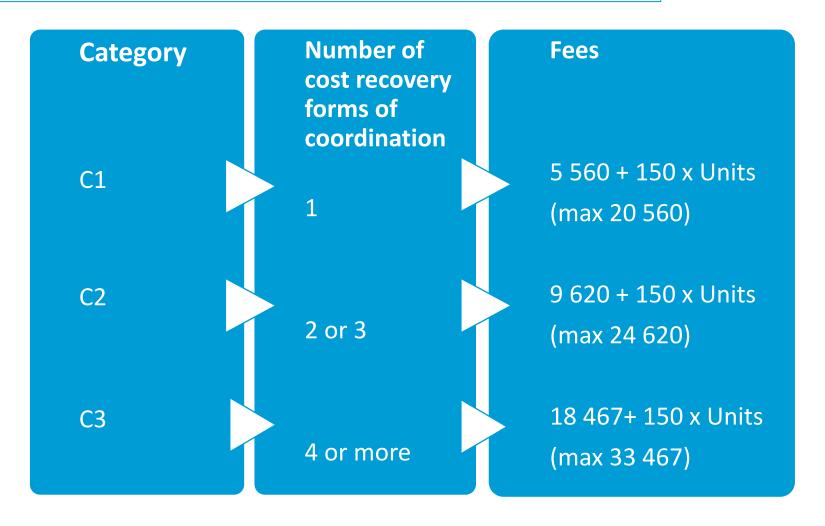
Fees for Coordination Requests (FOR GSO)



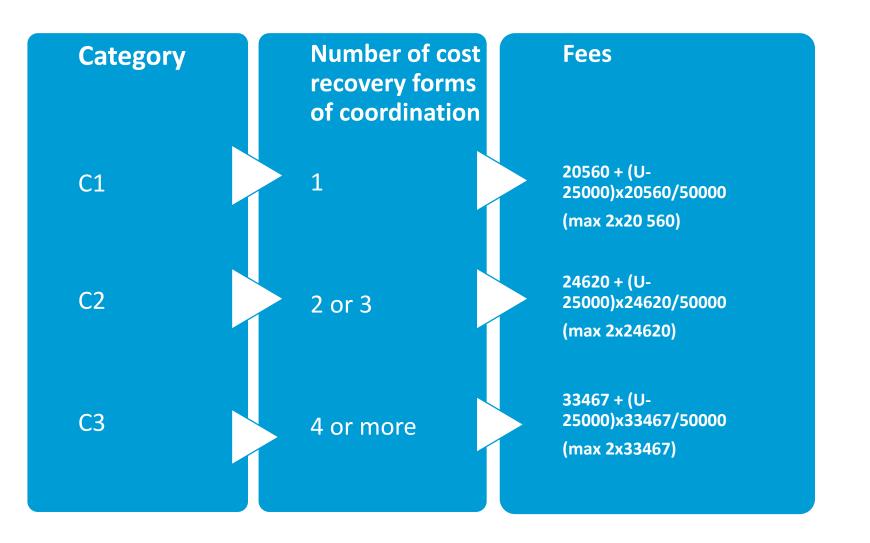


Fees for Coordination Requests (FOR NGSO, for units less than 25000)





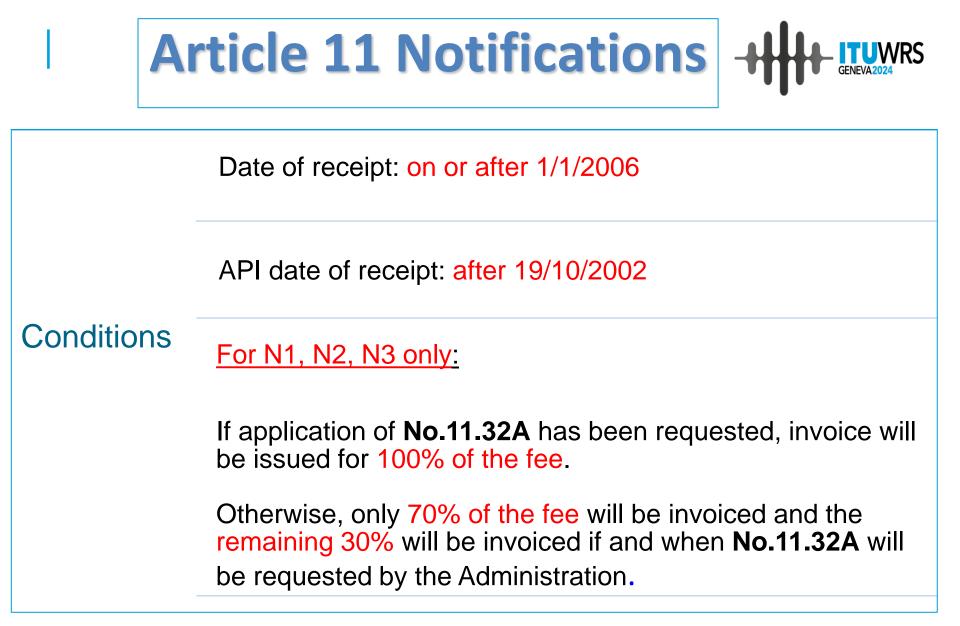
Fees for Coordination Requests (FOR NGSO, for units more than 25000)



UWRS

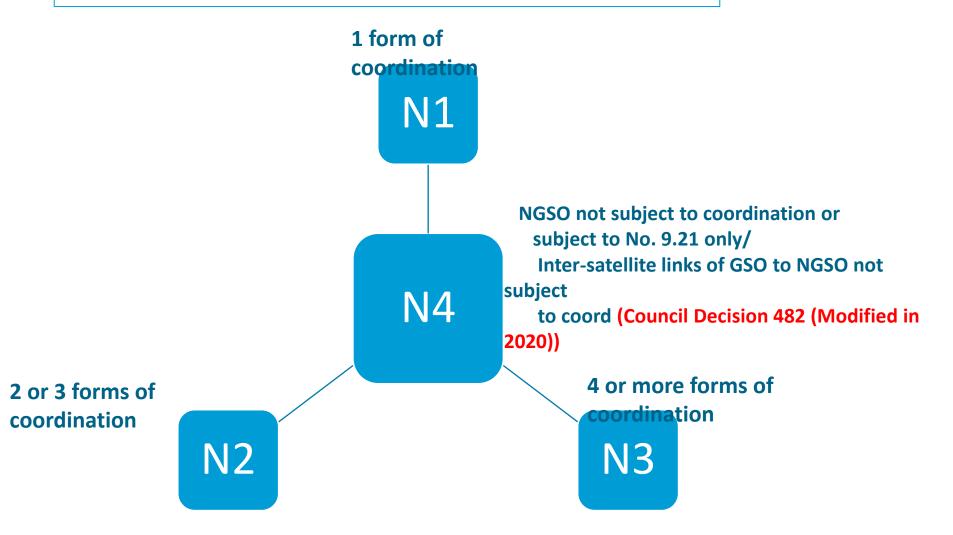
Fees for Coordination Requests of a non-GSO with mutually exclusive sets (Council Decision 482, Modified in 2018)

For coordination requests of a non-geostationary satellite network with different sub-sets of orbital characteristics mutually exclusive, the processing charges are separately computed for <u>each of the sub-sets and thereafter added</u> to produce the processing charge of the satellite network



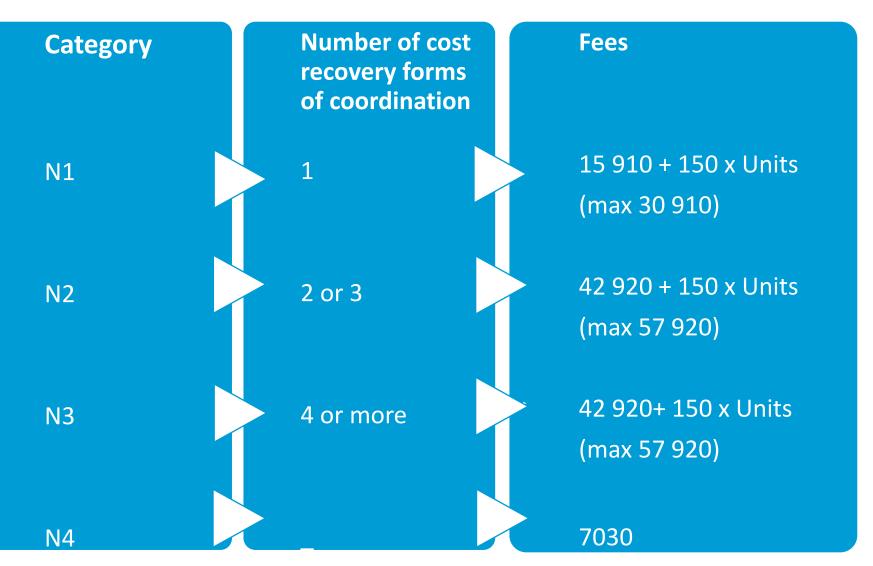
Categorization of Notifications

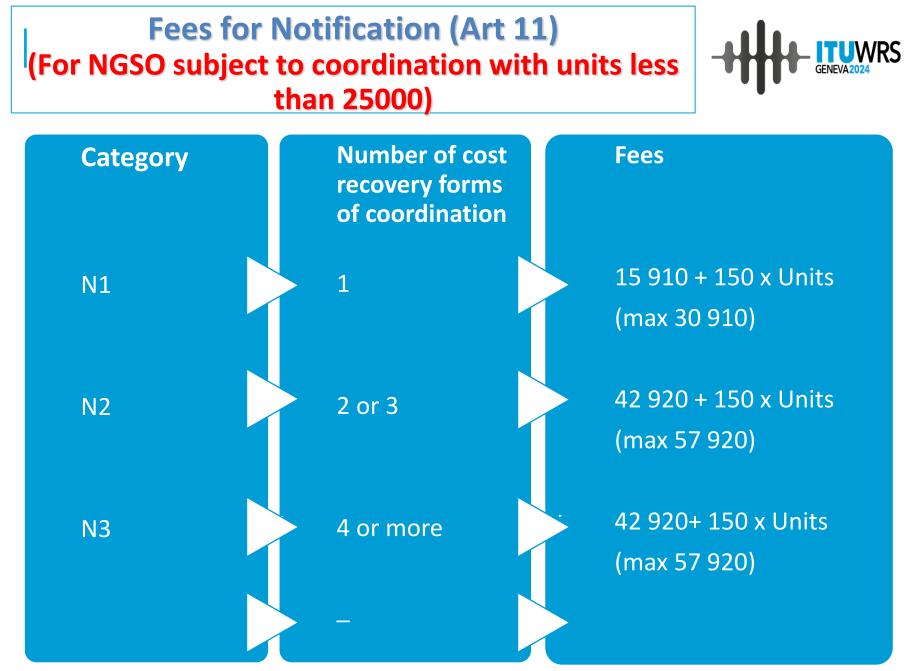




Fees for Notification (Art 11) (for all GSOs and NGSO not subject to coordination)



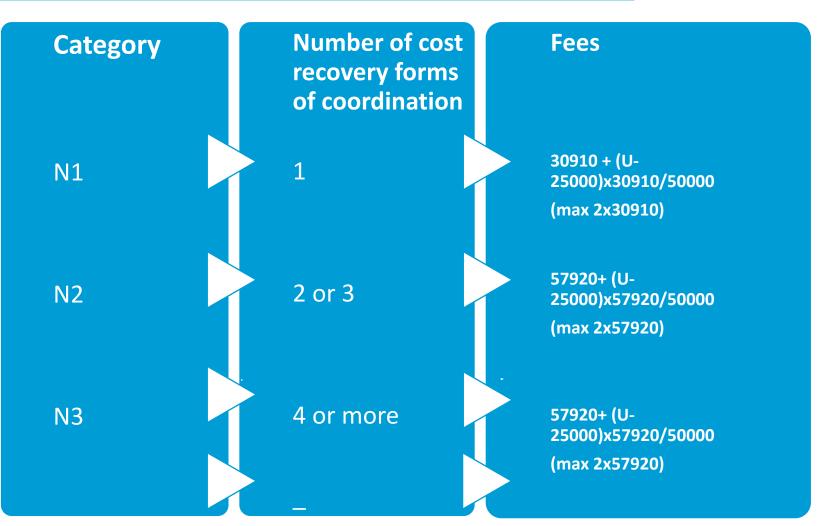


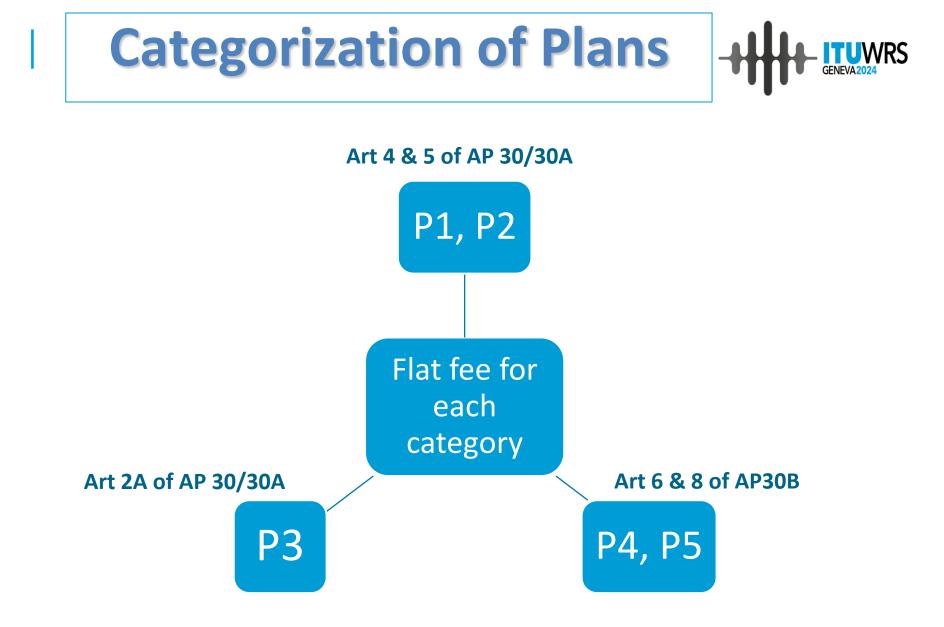


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Fees for Notification (Art 11) (For NGSO subject to coordination with units more than 25000)

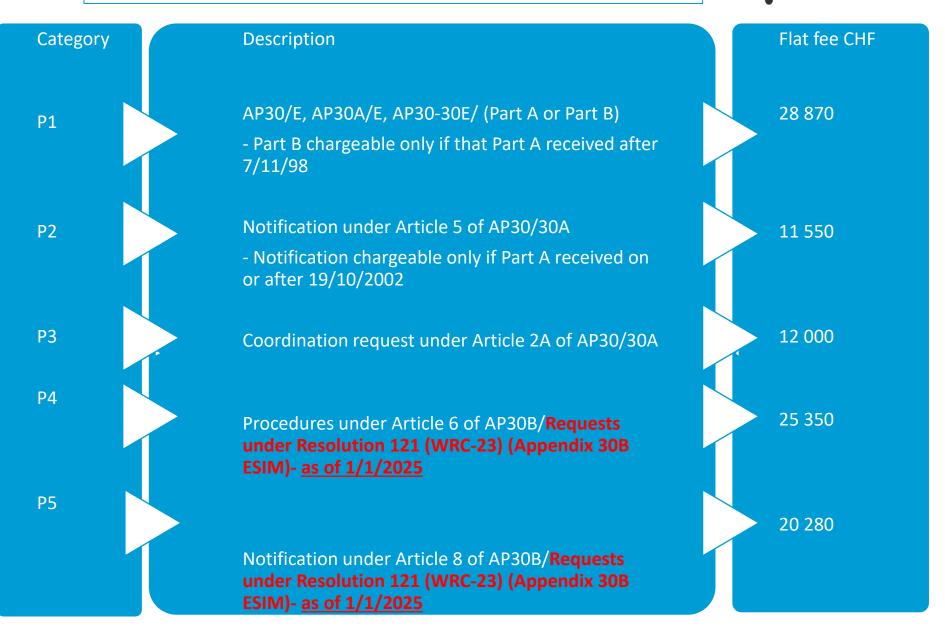




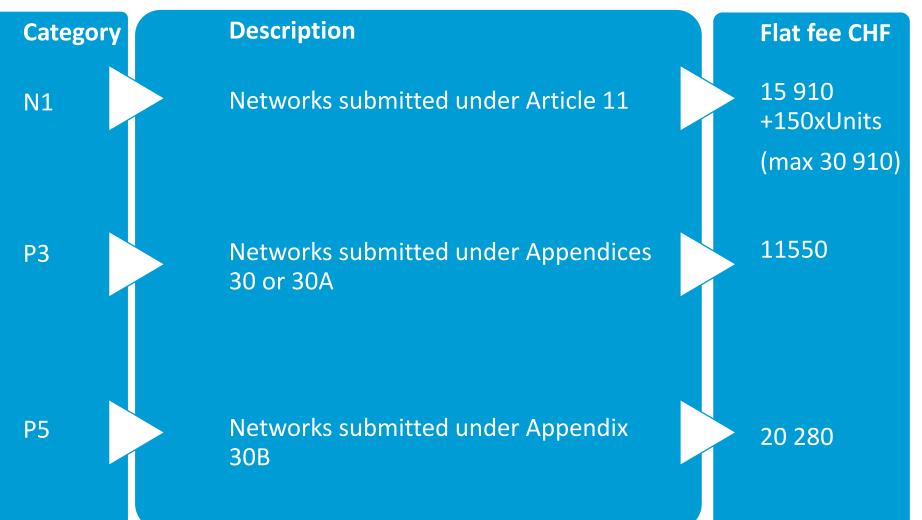


Fees for Plans (AP30/30A/30B)





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



Invoicing



Upfront Stage:

Upon receipt of filing, the BR examines receivability

Invoice will be issued based on the category and units of the filing at that time (see SpaceCap)

Invoicing process

Publication Stage (IFIC):

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





SpaceCapture V9 - [Set Notice Template]	_
File Edit Tools Template Window Help	
	CR/NOTIF C API C RAST C PLAN C RS49/552
SpaceCap Notice Explorer - AP4/II and AP4/III	
👔 👔 👔 Notice id. Type Adm./Org. Orb. Pos. Station name	
Start Page	Count=1 Control Box
	05.02.2019 50 Show
	Open Notice
Notice Explorer	Show Selected Entity
	View History
Open Notice	Print Notice
	Export Notice(s)
	Clone
New Notice	Delete
	Assign Notice Id
Search	Renumber Notice Id
Sealon	Modify Notice Action Code
	Modify Date of Receipt
	Paginate Groups
	Sort Frequencies
	Structure Groups
	Delete Notice and Grp Links
	Create Notice Links
	Create Grp Links Create Regulatory Dates
_	Cost recovery fee estimation (Council D482)

SpaceCap Cost Analysis Results



🖳 Cost Recover	y Cat/Unit Calculator	
SNS Source	C:\Users\marinram\Desktop\WRS 2020\FIRST-NGSO.mdb @ MDB =	Notice Id 117500028
Space RefDB	C:\ProgramData\ITU\BR_Space_v9.0\RefData\SpaceRefdb.mdb	Use Findings
Log Output Dir.:	C:\Users\marinram\AppData\Local\Temp\autodelete_costrec_u215znh5_0ew	Calculate Category & Units
DTICE: 11		RunTime: 00:00:00.8
- BeamA - GroupA - GROUP: 117615 - Provn: - StnCls: - BeamA - BeamA - GroupA - GROUP: 119620 - Provn: - StnCls:	50, freq:[2200.3335-2207.1665] EH, ET ame:DN1S xtCode: ctCode: 451, freq:[400.174-400.976] ET ame:DN1U xtCode: ctCode: 064, freq:[148.2885-148.5365] .21 ET ame:UP1V xtCode:	

Address field on the invoice



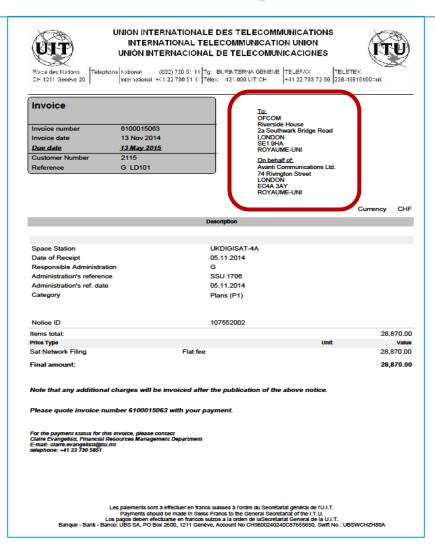
Invoice will be issued to the Administration

Only if an Administration requests in writing, the invoice can be issued directly to the operator, with a copy to the Administration

TO : ADM	To : Operator + Copy to : ADM

Invoice example





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

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 <u>After that</u>, 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 or parts of the BR IFIC for one satellite network each year without charge

Nomination of free entitlement



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

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

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

References



- Council Decision 482 (modified C2024)
- BR Circular letter CR/245
- BR web site

https://www.itu.int/ITU-R/go/space-costrecovery/en



Thank you!

ITU – Radiocommunication Bureau

Questions to <u>brmail@itu.int</u> or akim.falou-dine@itu.int@itu.int