



30TH WORLD RADIOCOMMUNICATION SEMINAR

24 – 28 October 2022

Geneva, Switzerland

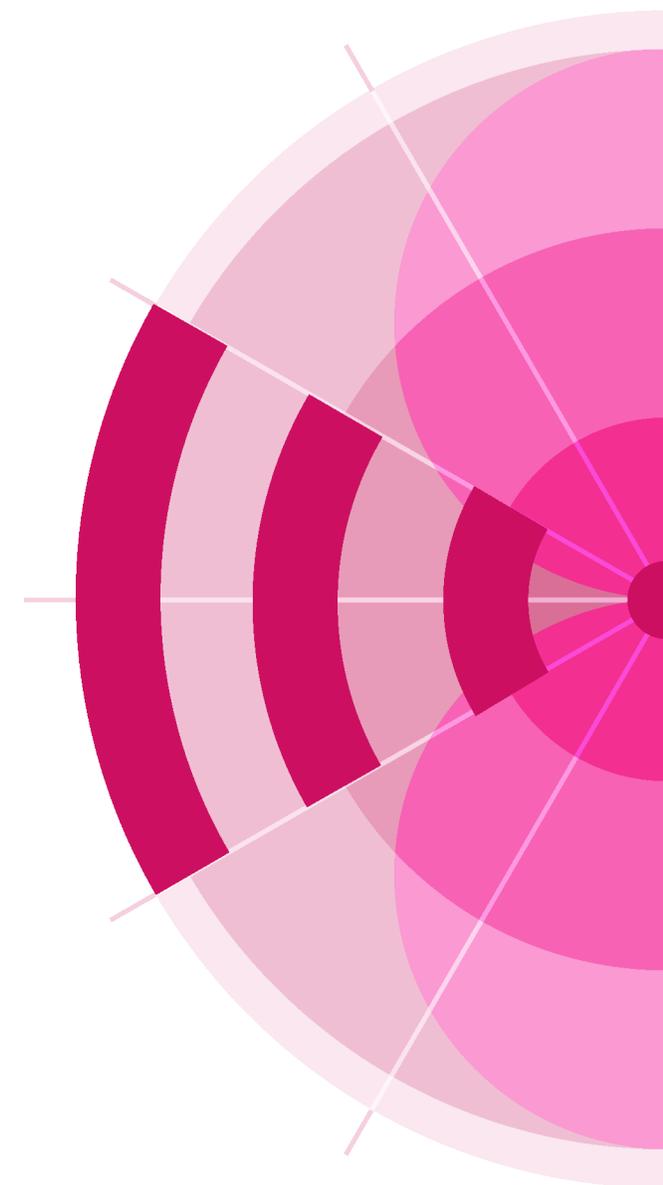
Commenting on Special Section API/A

Koichi SUMIYOSHI

Space Services Department,
Radiocommunication Bureau, ITU

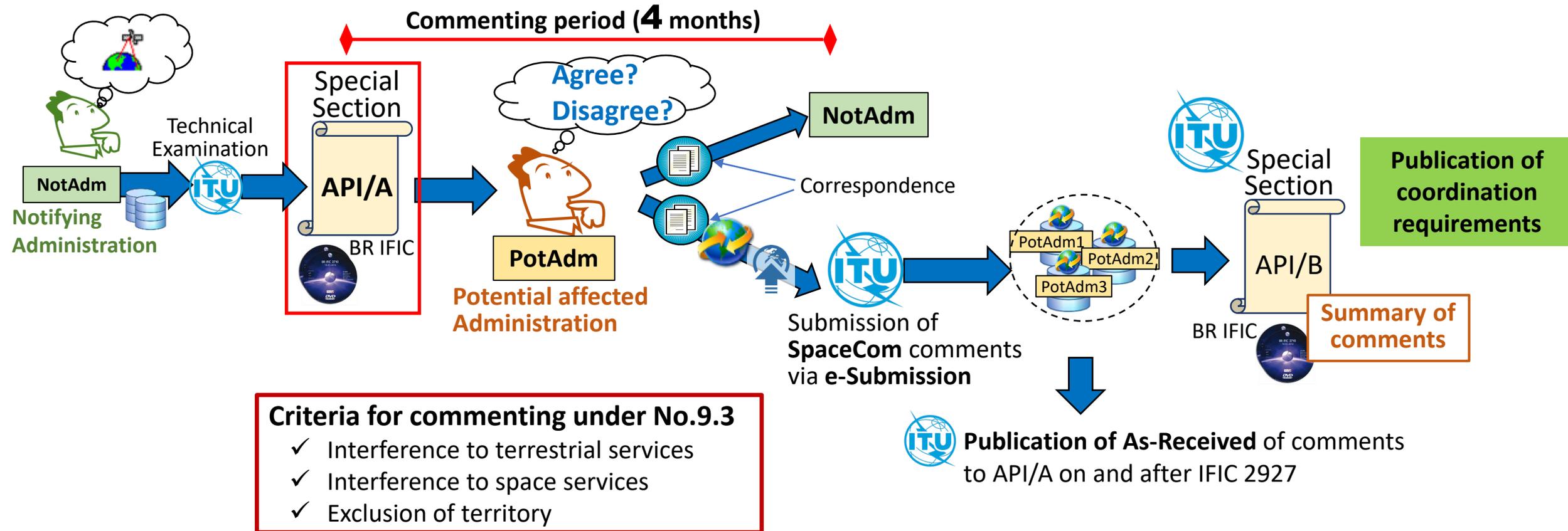
www.itu.int/go/wrs-22

#ITUWRS



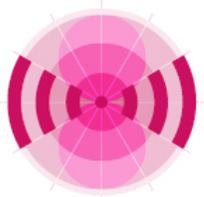
Commenting on API/A Special Sections

Sub-section IA of Article 9

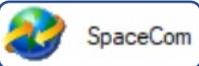


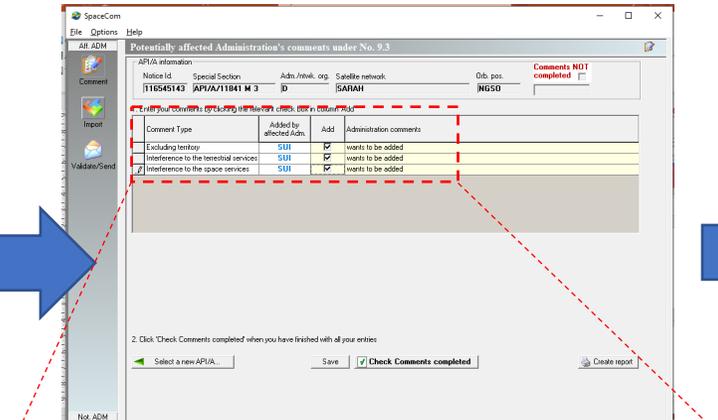
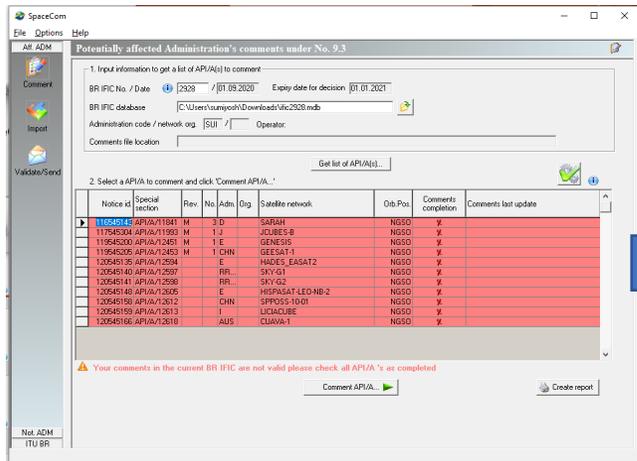
Special Section	Identification (provisions)	Comments submitted under	Commenting approach	How to comment	Summary of comments (Special Section)	BR Assistance procedure ¹
API/A	-	No.9.3	SpaceCom required	SpaceCom	API/B	-

¹ Assistance from the Bureau may be requested under No.9.3 by either of the parties to resolve any difficulties

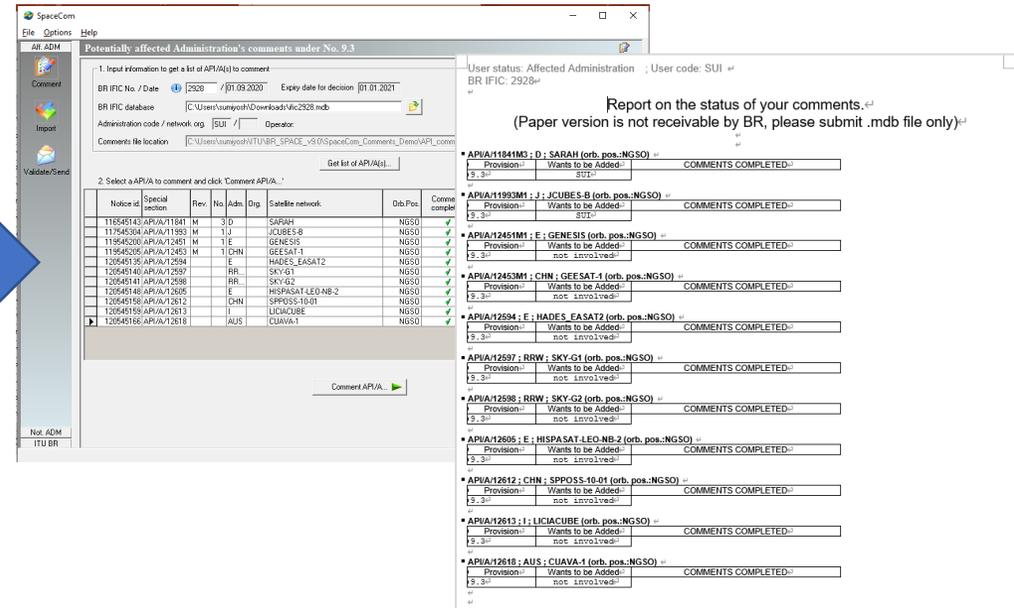


How to create and submit comments to API/A?

Please open SpaceCom software  to make your comments



Comment Type	Added by affected Adm.	Add	Administration comments
Excluding territory	SUI	<input checked="" type="checkbox"/>	wants to be added
Interference to the terrestrial services	SUI	<input checked="" type="checkbox"/>	wants to be added
Interference to the space services	SUI	<input checked="" type="checkbox"/>	wants to be added



(1) Open an IFIC database with SpaceCom software, and get the list of API/As.

(2) Make comments  to each API/A.

API/As to which comments should be made and comment types to be selected are decided through examining technical characteristics such as frequencies and service areas of each API/A and situations of terrestrial and space services in commenting administrations.

(3) Complete comments to all API/As in the selected IFIC.

(4) Verify that all comments have been completed.

(5) Submit your SpaceCom comment file via [e-Submission](#). (If you are an operator, please submit your comment to your Administration.)

Example of Special Section API/A and API/B

API/A/13023 (IFIC 2970 03.05.2022)

UNION INTERNATIONALE DES TELECOMMUNICATIONS BUREAU DES RADIOCOMMUNICATIONS		INTERNATIONAL TELECOMMUNICATION UNION RADIOCOMMUNICATION BUREAU		UNION INTERNACIONAL DE TELECOMUNICACIONES OFICINA DE RADIOCOMUNICACIONES	
RESEAU A SATELLITE SATELLITE NETWORK RED DE SATELITE		ION SCV-005		SECTION SPECIALE N° SPECIAL SECTION No. SECCION ESPECIAL N.º	
				API/A/13023	
		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA		2970 / 03.05.2022	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	I	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	NGSO	NUMERO D'IDENTIFICATION IDENTIFICATION NUMBER NUMERO DE IDENTIFICACION	
				122545027	
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACION RECIBIDA POR LA OFICINA EL				14.02.2022	
<p>Ces renseignements reçus par le Bureau des radiocommunications, en application du numéro 9.1/9.2 du Règlement des radiocommunications, sont publiés conformément au numéro 9.2B.</p> <p>Une administration qui estime que des brouillages inacceptables risquent d'être causés à ses réseaux ou à ses systèmes à satellites existants ou en projet communique à l'administration qui a demandé la publication des renseignements ses observations, avec copie au Bureau des radiocommunications, dans le délai indiqué ci-dessous.</p>		<p>This information, received by the Radiocommunication Bureau pursuant to No.9.1/9.2 of the Radio Regulations, is published in accordance with No. 9.2B.</p> <p>Any administration which believes that unacceptable interference may be caused to its existing or planned satellite networks or systems shall communicate its comments to the publishing administration, with a copy to the Radiocommunication Bureau, by the deadline indicated below.</p>		<p>Esta información, recibida por la Oficina de Radiocomunicaciones en arreglo al número 9.1/9.2 del Reglamento de Radiocomunicaciones, se publica de acuerdo con lo dispuesto en el número 9.2B.</p> <p>Cualquier administración que estime que se podría causar interferencia perjudicial a sus redes o sistemas de satélites existentes o planificados deberá comunicar sus comentarios a la administración que publica, con copia a la Oficina de Radiocomunicaciones, en el plazo que se indica más abajo.</p>	
DATE LIMITE POUR LA RECEPTION DES COMMENTAIRES EXPIRY DATE FOR THE RECEIPT OF COMMENTS FECHA LIMITE PARA LA RECEPCION DE LOS COMENTARIOS				03.09.2022	

Commenting period (until 03.09.2022)

API/B/2022 (IFIC2981, 04.10.2022)

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UNION INTERNATIONALE DES TELECOMMUNICATIONS BUREAU DES RADIOCOMMUNICATIONS		INTERNATIONAL TELECOMMUNICATION UNION RADIOCOMMUNICATION BUREAU		UNION INTERNACIONAL DE TELECOMUNICACIONES OFICINA DE RADIOCOMUNICACIONES	
RESEAU A SATELLITE SATELLITE NETWORK RED DE SATELITE		ION SCV-005		SECTION SPECIALE N° SPECIAL SECTION No. SECCION ESPECIAL N.º	
				API/B/2022	
		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA		2981 / 04.10.2022	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	I	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	NGSO	NUMERO D'IDENTIFICATION IDENTIFICATION NUMBER NUMERO DE IDENTIFICACION	
				122545027	
REFÉRENCE DE LA SECTION SPECIALE (BR IFIC / DATE) SPECIAL SECTION REFERENCE (BR IFIC / DATE) REFERENCIA DE LA SECCION ESPECIAL (BR IFIC / FECHA)				API/A/13023 (BR IFIC 2970 / 03.05.2022)	
<p>1. La présente Section spéciale est publiée conformément au numéro 9.5 du Règlement des radiocommunications, et concerne la demande de coordination publiée dans la section spéciale API/A indiquée ci-dessus.</p> <p>2. Les administrations qui ont soumis des observations au titre du numéro 9.3 dans le délai de quatre mois suivant la date de publication de la Section spéciale API/A précitée, sont indiquées ci-dessous et le tableau contient un résumé de ces observations.</p>		<p>1. This Special Section is published in accordance with No. 9.5 of the Radio Regulations, in respect of the request for coordination published in the API/A Special Section referenced above.</p> <p>2. Administrations that have submitted comments under No. 9.3 within four months of the date of publication of the mentioned API/A Special Section are listed below and the table contains a summary of the comments.</p>		<p>1. Esta Sección Especial se publica de conformidad con lo dispuesto en el número 9.5 del Reglamento de Radiocomunicaciones, en lo que respecta a la solicitud de coordinación publicada en la Sección Especial API/A antes citada.</p> <p>2. Las administraciones que han presentado comentarios conforme al número 9.3 dentro de un plazo de cuatro meses a partir de la fecha de publicación de la Sección Especial API/A mencionada, se indican a continuación y en el cuadro se presenta un resumen de los comentarios.</p>	

AFS, ALG, ARS, AUS, AZE, BHR, CHN, CYP, D/EUM, D, EGY, F/ESA, F, G, HNG, HOL, IRN, ISR, J, KOR, LUX, NOR, PNG, POR, QAT, RRW, RUS, S, SLM, SUI, UAE, USA

Commenting Administrations

Page / Página / 页 / ctp. 1 الصفحة

Tableau / Table / Cuadro / 表 / Таблица / الجدول

Page 3

RÉSUMÉ DES OBSERVATIONS / SUMMARY OF COMMENTS / RESUMEN DE LOS COMENTARIOS

意見摘要 / РЕЗЮМЕ ЗАМЕЧАНИЙ / ملخص بالتعليقات

Summary of comments

	ADM
E	ARS, BHR, EGY, IRN, QAT
T	AUS, BHR, EGY, HOL, IRN, J, QAT, UAE
S	AFS, ALG, AUS, AZE, CHN, CYP, D/EUM, D, EGY, F/ESA, F, G, HNG, HOL, IRN, ISR, J, KOR, LUX, NOR, PNG, POR, QAT, RRW, RUS, S, SLM, SUI, UAE, USA

E: Excluding territory

T: Interference to the terrestrial services

S: Interference to the space services



Symboles utilisés dans le résumé des observations / Symbols used for the Summary of comments / Símbolos utilizados en el resumen de los comentarios /

意見摘要使用的符号 / Условные обозначения, используемые в резюме замечаний / الرموز المستعملة في ملخص التعليقات

Publication of As-Received of comments to API/A



Information "As Received"

List of SpaceCom comments received (but not yet published) by the Bureau in accordance with No. 9.3.1 to the Radio Regulations.

1. SpaceCom comments to notices of non-geostationary satellite networks and systems subject to Resolution 32 (WRC-19)
2. SpaceCom comments to Advanced Publication Information other than notices subject to Resolution 32 (WRC-19)

The "as received" information has no regulatory status and therefore is not recommended for examination purposes.

Contains text Select administration...

Export



1 - 30 of 2512

Reference	Adm.	Network Org.	▼ BR Registry Date	Comment type	BR IFIC	IFIC Date
UAE2022-54697	UAE		12.10.2022	API/B	2975	12.07.2022
QAT2022-54694	QAT		12.10.2022	API/B	2973	14.06.2022
KOR2022-54692	KOR		12.10.2022	API/B	2973	14.06.2022
RUS2022-54690	RUS		12.10.2022	API/B	2973	14.06.2022
MCO2022-54685	MCO		11.10.2022	API/B	2976	26.07.2022
G2022-54682	G		11.10.2022	API/B	2973	14.06.2022
BHR2022-54678	BHR		11.10.2022	API/B	2980	20.09.2022
POR2022-54677	POR		11.10.2022	API/B	2974	28.06.2022
SUI2022-54676	SUI		11.10.2022	API/B	2974	28.06.2022
SUI2022-54675	SUI		11.10.2022	API/B	2973	14.06.2022
F2022-54674	F	GLS	11.10.2022	API/B	2974	28.06.2022
KAZ2022-54670	KAZ		11.10.2022	API/B	2979	06.09.2022
HNG2022-54662	HNG		10.10.2022	API/B	2973	14.06.2022

List of As-Received of comments to API/A on As-Received website

- All comments to API/A special sections published on and after BRIFIC 2927 (18.08.2021) are published as received.

- As-Received of comments to API/A are available on the As-Received webpage: <https://www.itu.int/ITU-R/space/asreceived/Publication/AsReceivedComments>

- The contents of SpaceCom comments can be shown on As-Received site.



List of SpaceCom contents

Special Section	NTC ID	Notifying ADM	Network Org.	Satellite Name	Orbital Position	Provision	Wants to be added
API/A/12384M	119545107	J		STRIX	NGSO	9.1/A	HNG
API/A/12962M	121545275	CAN		LORIS	NGSO	9.1/A	HNG
API/A/13066	122545095	USA		USASAT-30R	NGSO	9.1/A	HNG

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Exercise to submit comments to API/A (1)

Scenario: Creating comments to API/As in IFIC 2979 (06.09.2022) with SpaceComDemo software as Administration SUI or your Administration.

Preparation

1. Download ific2979.zip file from [WRS-22 Space Workshop webpage](#). Unzip and store ific2979.mdb on your local folder (e.g., on Desktop).
2. Open BR software SpaceComDemo (v9.1), select “API/A” and select “SUI” or the symbol of your administration.

1 ITU-BR Space Applications Manager v9.0.2.11 (SNS V9)

2 Com Demo

3 System Template Selection

4 Enter your Administration code / network org.

5 Who are you ?

Potentially affected Administration (Commenting on an API/A)

Operator

At Advance Publication stage, if, upon receipt of the BR IFIC containing API/A information for frequency bands which are not subject to Coordination procedure (see Sub-Section 1A of Article 9 of the RR) published under No. 9.2B, according to the provisions of No. 9.3 any administration believes that interference which may be unacceptable may be caused to its existing or planned satellite networks or systems; its terrestrial services or wishes to have its territory excluded from the service area or for any other reason, it shall within four months of the date of publication of the BR IFIC communicate to the notifying administration (with a copy to the BR), its comments on the particulars.

Copy of the comments is to be sent electronically to the Radiocommunication Bureau through the online interface 'e-submission for satellite network filings'

Next...

This exercise is conducted with SpaceComDemo version 9.1. However, SpaceCom comments to BR IFIC published in version 9.0 shall be created via SpaceCom V9 and submitted to ITU even after SNS V9.1 will be released.

Exercise to submit comments to API/A (2)

Step 1: Open ific2979.mdb on SpaceComeDemo software and get the list of API/As as below.

(1) Enter 2979

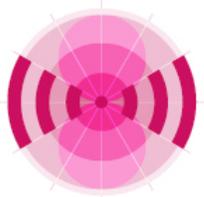
(2) Designate the location of ific2979.mdb

(3) Click on "Get list of API/A(s)"

(4) List of API/As published in IFIC 2970 appears.

Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Orb.Pos.	Comments completion	Comments last update
118545212	API/A/12259	M	3	J		QPS-SAR	NGSO	☒	
121545310	API/A/12995	M	1	CHN		SV-1	NGSO	☒	
122545117	API/A/13119			D		MARS-K3	NGSO	☒	
122545118	API/A/13120			D		MARS-K4	NGSO	☒	
122545151	API/A/13121			E		IOD1 CNS	NGSO	☒	
122545163	API/A/13122			USA		MARIO CUBESAT	NGSO	☒	
122545171	API/A/13123			F		SYNCHROCUBE	NGSO	☒	
122545173	API/A/13124			AUT		PRETTY	NGSO	☒	
122545174	API/A/13125			USA		SHIELDS-1	NGSO	☒	
122545175	API/A/13126			D		CHIMERA LEO 1	NGSO	☒	
122545179	API/A/13127			HNG		MRC-100	NGSO	☒	
122545181	API/A/13128			CAN		NEUDOSE	NGSO	☒	
122545183	API/A/13129			CHN		XZ-1	NGSO	☒	
122545187	API/A/13130			F		PROTOMETHEE	NGSO	☒	
122545188	API/A/13131			USA		PROTOMETHEE	NGSO	☒	

Not. ADM
ITU BR



Exercise to submit comments to API/A (3)

Step **2**: Select 1 API/A to be commented, then make a comment to the API/A as below.

(1) Select 1 API/A to be commented

2. Select a API/A to comment and click 'Comment API/A...'

Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Orb.Pos.	Comments completion	Comments last update
118545212	API/A/12259	M	3	J		QPS-SAR	NGSO	✖	
121545310	API/A/12995	M	1	CHN		SV-1	NGSO	✖	
122545117	API/A/13119			D		MARS-K3	NGSO	✖	
122545118	API/A/13120			D		MARS-K4	NGSO	✖	
122545151	API/A/13121			E		IOD1 CNS	NGSO	✖	
122545163	API/A/13122			USA		MARIO CUBESAT	NGSO	✖	
122545171	API/A/13123			F		SYNCHROCUBE	NGSO	✖	
122545173	API/A/13124			AUT		PRETTY	NGSO	✖	
122545174	API/A/13125			USA		SHIELDS-1	NGSO	✖	
122545175	API/A/13126			D		CHIMERA LEO 1	NGSO	✖	
122545179	API/A/13127			HNG		MRC-100	NGSO	✖	
122545181	API/A/13128			CAN		NEUDOSE	NGSO	✖	
122545183	API/A/13129			CHN		XZ-1	NGSO	✖	
122545187	API/A/13130			F		PROTOMETHEE	NGSO	✖	

⚠ Your comments in the current BR IFIC are not valid please check all API/A 's as completed

Comment API/A... ▶

Make comments

(2) Click on "Comment API/A"

SpaceCom

File Options Help

Aff. ADM

Potentially affected Administration's comments under No. 9.3

API/A information:

Notice Id.	Special Section	Adm./ntwk. org.	Satellite network	Orb. pos.	Comments NOT completed
118545212	API/A/12259 M 3	J	QPS-SAR	NGSO	<input type="checkbox"/>

1. Enter your comments by clicking the relevant check box in column 'Add'

Comment Type	Added by affected Adm.	Add	Administration comments
Excluding territory	SUI	<input checked="" type="checkbox"/>	wants to be added
Interference to the terrestrial services	SUI	<input checked="" type="checkbox"/>	wants to be added
Interference to the space services	SUI	<input checked="" type="checkbox"/>	wants to be added

2. Click 'Check Comments completed' when you have finished with all your entries.

Select a new API/A... Save Check Comments completed Create report

(3) Tick appropriate checkboxes

(4) Click on "Check Comments completed"

(5) Click on "Select a new API/A" and return to the list of API/As

(6) Repeat this step to make comments to all API/As necessary to be commented.

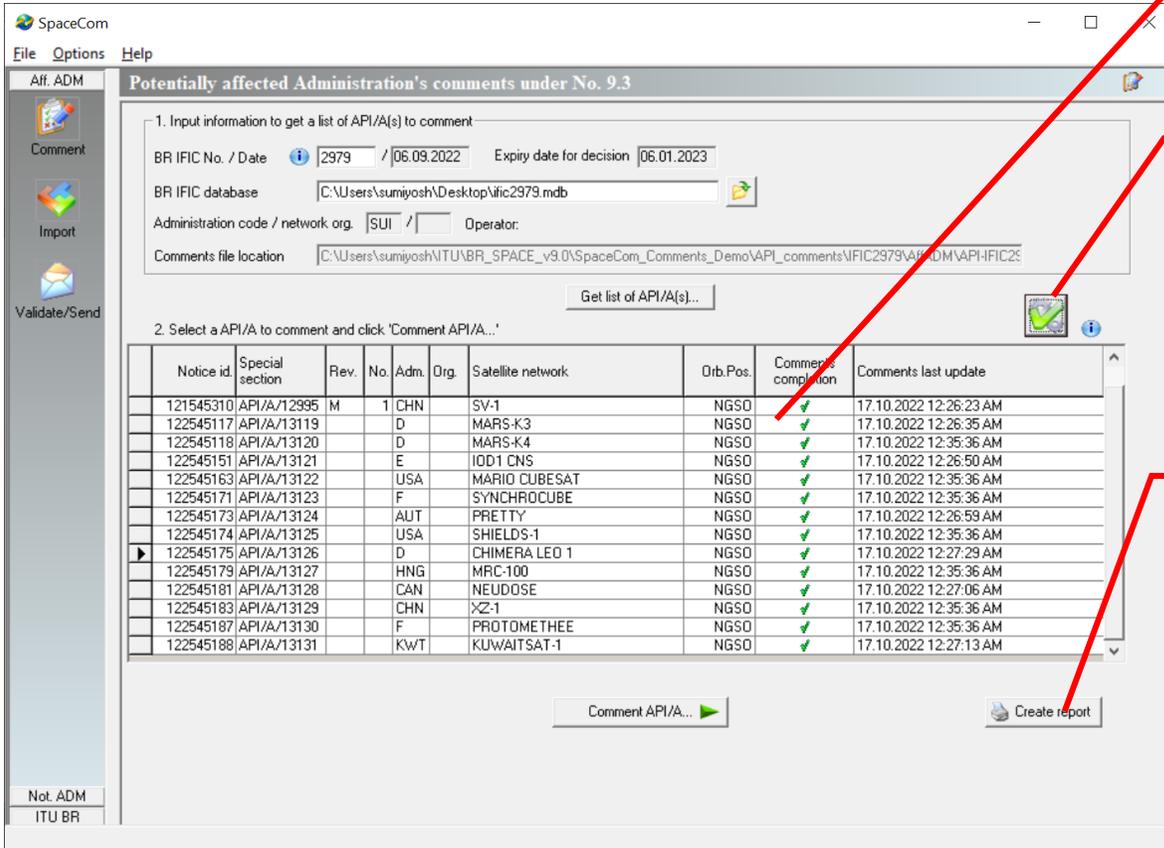
Exercise to submit comments to API/A (4)

Step 3: Complete comments to all API/As

(1) Repeat the previous step and complete comments to all API/As.

(2) If you don't need to make comments to some API/As, click on  button and complete comments after making comments to necessary API/As.

(3) Create report and check if comments to all API/As have been completed.



SpaceCom
File Options Help

Aff. ADM

Potentially affected Administration's comments under No. 9.3

1. Input information to get a list of API/A(s) to comment

BR IFIC No. / Date 2979 / 06.09.2022 Expiry date for decision 06.01.2023

BR IFIC database C:\Users\sumiyosh\Desktop\ific2979.mdb

Administration code / network org. SUI / Operator:

Comments file location C:\Users\sumiyosh\NTU\BR_SPACE_v9.0\SpaceCom_Comments_Demo\API_comments\IFIC2979\ADM\API-IFIC2

Get list of API/A(s)...

2. Select a API/A to comment and click 'Comment API/A...'

Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Orb.Pos.	Comments completion	Comments last update
121545310	API/A/12995	M	1	CHN		SV-1	NGSO	✓	17.10.2022 12:26:23 AM
122545117	API/A/13119			D		MARS-K3	NGSO	✓	17.10.2022 12:26:35 AM
122545118	API/A/13120			D		MARS-K4	NGSO	✓	17.10.2022 12:35:36 AM
122545151	API/A/13121			E		IOD1 CNS	NGSO	✓	17.10.2022 12:26:50 AM
122545163	API/A/13122			USA		MARIO CUBESAT	NGSO	✓	17.10.2022 12:35:36 AM
122545171	API/A/13123			F		SYNCHROCUBE	NGSO	✓	17.10.2022 12:35:36 AM
122545173	API/A/13124			AUT		PRETTY	NGSO	✓	17.10.2022 12:26:59 AM
122545174	API/A/13125			USA		SHIELDS-1	NGSO	✓	17.10.2022 12:35:36 AM
122545175	API/A/13126			D		CHIMERA LEO 1	NGSO	✓	17.10.2022 12:27:29 AM
122545179	API/A/13127			HNG		MRC-100	NGSO	✓	17.10.2022 12:35:36 AM
122545181	API/A/13128			CAN		NEUDOSE	NGSO	✓	17.10.2022 12:27:06 AM
122545183	API/A/13129			CHN		XZ-1	NGSO	✓	17.10.2022 12:35:36 AM
122545187	API/A/13130			F		PROTOMETHEE	NGSO	✓	17.10.2022 12:35:36 AM
122545188	API/A/13131			KWT		KUWAITSAT-1	NGSO	✓	17.10.2022 12:27:13 AM

Comment API/A... Create report

User status: Affected-Administration: ; User code: SUI- ¶
BR IFIC: 2979 ¶

Report on the status of your comments. ¶
(Paper version is not receivable by BR, please submit .mdb file only) ¶

API/A/12259M3-; J-; QPS-SAR (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ SUI¶

API/A/12995M1-; CHN-; SV-1 (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ SUI¶

API/A/13119-; D-; MARS-K3 (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ not involved¶

API/A/13120-; D-; MARS-K4 (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ not involved¶

API/A/13121-; E-; IOD1-CNS (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ SUI¶

API/A/13122-; USA-; MARIO-CUBESAT (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ not involved¶

API/A/13123-; F-; SYNCHROCUBE (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ not involved¶

API/A/13124-; AUT-; PRETTY (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ SUI¶

API/A/13125-; USA-; SHIELDS-1 (orb. pos.:NGSO)- ¶
Provision¶ Wants to be Added¶ COMMENTS COMPLETED¶
9.3¶ SUI¶

Exercise to submit comments to API/A (5)

Step 4: Validate comments and submit to ITU via e-Submission

(1) Go to "Validate/Send" tab

(2) Enter "2979"

(3) Select the location of the created comment file (API-IFIC2979_SUI.mdb).
("C:\xxx\ITU\BR_SPACE_v9.0\SpaceCom_Comments_Demo\API_comments\IFIC2979\AffADM" opens on Explorer as default)

Validate and send your comments under No. 9.3 database to BR

BR IFIC No. / Date: 2979 / 06.09.2022 Expiry date for decision: 06.01.2023

File location: C:\Users\sumiyosh\ITU\BR_SPACE_v9.0\SpaceCom_Comments_Demo\API_comments\IFIC2979\AffADM\

Validate file before sending

File validation: [Mouse cursor]

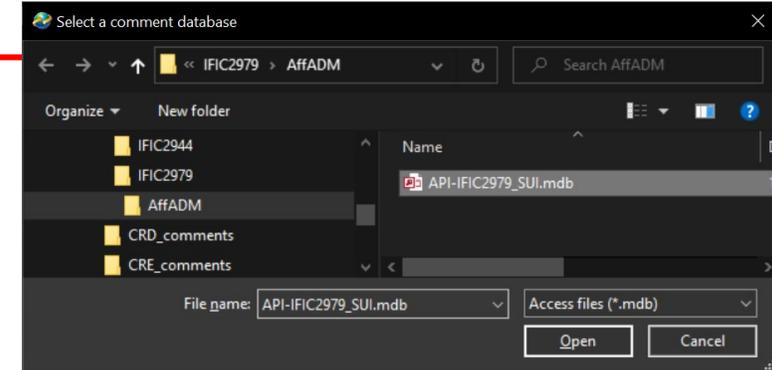
Not validated..

Send your comments online

Submit Online

In accordance with the Rules of Procedure on receivability, all SpaceCom comments submitted by the administration should be done through the online interface "e-Submissions for satellite network filings"

Open Comments Location



(4) Click on "File validation" and complete the validation.

Validate file before sending

File validation

Validation OK

Send your comments online

Submit Online

In accordance with the Rules of Procedure on receivability, all SpaceCom comments submitted by the administration should be done through the online interface "e-Submissions for satellite network filings"

Open Comments Location

- If "Validation OK", please submit the comment file to ITU via e-Submission.
- If comments haven't been completed, complete comments to all API/As.

Validate file before sending

File validation

Please complete your comments before sending..

Thank you!

ITU – Radiocommunication Bureau

Questions to

brmail@itu.int

SpaceCom_Support@itu.int

brsas@itu.int (for SpaceCom software)

