

e-Submission of Satellite Network Filings / e-Communications

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e-Submission

www.itu.int/wrs-24 4

e-Submission of Satellite Network Filings General Introduction (1)

- A web-based secure paperless online system to submit all satellite network filings and SpaceCom comment files.
- Mandatory online submissions via e-Submission from 1 August 2018
- Development in response to Resolution 908 (Rev.WRC-15) <u>https://www.itu.int/itu-r/go/space-submission</u>

Upload &

* Resolution 908 was integrated into Resolution 55(Rev. WRC-23).

Reject by BR or

withdrawal by Administration





e-Submission of Satellite Network Filings

General Introduction (2)



As of 1.12.2024



33,424 submissions received since 1 August 2018 via e-Submission



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General functions for e-Submission (2)



Recent updates (1)

New status "Published in BR IFIC"

Solution Automatic change of the status from "Published As-Received" to "Published in BR IFIC" for the notices published in a special section or Part I-S in a BR IFIC (Space Services)

The new online examination tool "e-Examination"

S Assist users in verifying their compliance to PFD and EIRP limits specified in the Radio Regulations

- S Automatic execution when a SNS file is uploaded
- S Easy download of the e-Examination results

Report name	State	Actions
Validation report V9.1	Done	Download
e-Examination report	Done	Download (for information only)
Once completed, e-Exan	ination aenerates a repo	rt via the online interface and it can be downloaded.

* The e-Examination performs calculations for the following types of networks/systems in the non-planned bands:

- Coordination Request of Space Station (GSO and non-GSO)
- Notification of Space Station (GSO and non-GSO)
- Coordination Request or Notification of Earth Station







Recent updates (2)

Additional data items in accordance with the new decisions made by WRC-23

Additional AP4 data items decided by WRC-23 to be submitted from 16.12.2023

Additio Please ca	nal Data Items decided by WRC-23 to be submitted from 16.12.2023 pture the data items newly added to Appendix 4 at WRC-23 for notices subject to the conditions specific	ad below:	ě	·
AP4 item	Description	Туре	Value	Click on "Additional Data Items decided by WRC-23 to be
A.27.a	COMPLIANCE WITH RESOLUTION [A117-SPACE-TO-SPACE] (WRC-23) a commitment from the notifying administration of a non-OSO ISS space station receiving in the frequency bands 27.5-28.6 GHz and 29.5- 30.0 GHz that the equivalent power flux-density produced at any point in the geostationary-satellite orbit by emissions from all combined operations of inter-satellite and Earth-to-space links shall not exceed the limits given in Article 22, Tables 22-18, 22-1C and 22-2 Required only for non-GSO space stations submitted in accordance with Resolution (A117-SPACE-TO-SPACE) (WRC 23) (A27.a)	Mandatory under specified conditions	· · ·	submitted from 16.12.2023".
A.27.b	COMPLIANCE WITH RESOLUTION [A117-SPACE-TO-SPACE] (WRC-23) a commitment from the notifying administration of space stations receiving in the frequency bands (27.5-30 GHz) that, upon receiving a report of unacceptable interference, the notifying administration will follow the procedures in resolves further 3 of Resolution [A117-SPACE-TO-SPACE] (WRC 23) Required only for non-SO space stations submitted in accordance with Resolution [A117-SPACE]-(WRC 23) (A27.b)	Mandatory under specified conditions		Capture the additional data items.

Integration between e-Submission and e-Communications

- Linkage from correspondence on e-Communications to a specific filing on e-Submission referred on the correspondence
- SAssist users in efficiently submitting notices and correspondence on regulatory procedures for satellite networks, Earth and Radio astronomy stations.



Updates for SNS V10

- From 1st January 2025, only SNS V10 are acceptable on e-Submission. The submissions of notice in SNS V9.1 format will no longer be acceptable on and after 1st January 2025.
- New types of notice will be accepted from 1 January 2025 according to the Radio Regulations revised at WRC-23.
 - AP30B ESIM
 - Res 8 (Tolerance for NGSO)
 - New types of SpaceCom comments
 - Part I-S subject to RR No. 11.28.1
 - AP30B ESIM



Deployment Info of NGSO Space Stations



hmission

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Common mistake for submissions by e-Submission

Don't mistake Due Diligence information of <u>Planned band</u> for <u>Non-Planned band</u>

- BR often receives Res 49 of Planned band (AP30/30A and AP30B) through Res49/552 category of Non-Planned Band.
- A submission with wrong category may delay the treatment process.



Don't forget to click on "Submit to BR" after a validation process has finished

Administration users sometimes leave a notice at the status of "Ready to submit to BR" relievedly after an online validation process completed successfully, where the notice hasn't been submitted to BR.

Son't forget to click on "Submit to BR" and make the status "Submitted to BR" after an online validation processes have finished.

SUsers can confirm a submission to BR with receiving automatic acknowledgement email.





General Introduction (1)

- An online communication platform to send and receive administrative correspondence.
- Cover all types of correspondence related to space services between Administrations and the Bureau as well as between Administrations without using emails and telefaxes.
- Developed by the Bureau under Resolution 907 (Rev. WRC-15) <u>https://www.itu.int/ITU-R/go/space-communications</u>
 * <u>Resolution</u>

* <u>Resolution 907 was integrated into Resolution 55(Rev. WRC-23).</u>





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General Introduction (2)



<u>As of 1.12.2024</u>



General functions -Basic layout-



UWRS

Recent Updates (1) – Due date -







Recent Updates (2) – link to another correspondence

New composing view of outgoing correspondence

Request to BR to forward:	⊖ Yes ● No				
Category: *	Category +		Provision		N
From:	17.1_citeReturneds @ F			DD.MM 2024 TT:TT	
Communication Type:	New communication				
To: *	*RECIPIENT				
Сору То:	×ITU				C
Subject: *	Subject				Sent
References:					
Number: *	C-ADM-24XXXXXX	Date: *	DD.MM 2024	×	
+ Add		·			
	$\overline{}$				

Users can add e-Communications reference number as a reference.

• When replying to a correspondence, the reference number of the received correspondence is automatically entered here.

The sent correspondence

Reference:	C-ADM-24YYYYYY			
Request to BR to forward:	No			
Communication Type:	New communication			
0-1	Category		Provisi	ion
Category:	Coordination Request: GSO satellite network		9.6	
Satellites:				
Earth Stations:				
References:				
Number	Date			
C-ADM-24XXXXXX	DD.MM 202	24 TT:TT		



Important note for e-Communications

- 1. Administrations registered on the system are strongly requested to access e-Communications to check/read the incoming correspondence regularly.
- 2. The Bureau encourages Administrations to indicate their willingness to use "e-Communications" as the only means of communication and to discontinue the traditional means of communication from Administrations.
- **3.** Administrative correspondence between administrations and BR shall be communicated, whenever possible, using the e-Communications platform according to Resolves in Res **55 (Rev.WRC-23).**

Therefore, the use of e-Communications will be strongly encouraged.

Integration between e-Submission and e-Communications

- 1. Correspondence on e-Communications can hold the link to e-Submission reference number.
- Correspondence referred to a notice via e-Communications are listed under "Communications" tab on the referred notice page on e-Submission.
- The notifying administration of the notice can access the related correspondence on e-Communications directly from e-Submission if the user has a user account of e-Communications.
- e-Communications users can initiate a new correspondence on e-Submission.
- 2. Attachment files to correspondence with a e-Submission reference number are uploaded to the referred notice page on e-Submission.



Operation of the Systems 🧐

-Submission via e-Submission, e-Communications and SIRRS-

- "e-Submission" for submissions of satellite network filings and SpaceCom comment files.
- "e-Communications" for sending and receiving administrative correspondence related to space services.
 - A reply to the correspondence from the Bureau on a clarification for the submitted notices is recommended to be sent via e-Communications (for both with and without a mdb file).
- "Satellite Interference Reporting and Resolution System" (SIRRS) for reports of harmful interference.

	What do you want to submit?	Which tool should be used?
1.	Satellite network filings	<u>e-Submission</u>
2.	SpaceCom comments files	<u>e-Submission</u>
3.	Correspondence related to Space Services	e-Communications
4.	non SpaceCom comments (without SpaceCom mdb files)	e-Communications
5.	Reply to the correspondence from the Bureau on a clarification for the submitted notices (both with and without a mdb file)	e-Communications
6.	Report of a harmful interference affecting space services	SIRRS

Takeaways



- "e-Submission" and "e-Communications" support Member States to submit space network filings and communicate with the Bureau or other administrations, and ultimately facilitate entire satellite coordination process.
- 2. Member States and Intergovernmental Satellite Organizations that have not yet nominated any Administration Manager or IGSO Manager <u>for e-Submission and e-Communications</u> are strongly urged to do so as soon as possible.
- **3**. Communications via e-Communications are increasing. The use of e-Communications is strongly encouraged.
- 4. The systems are constantly being updated in accordance with requirements from Administrations and updates of regulations. The Bureau welcomes any suggestions and comments to improve the systems (email to <u>spacehelp@itu.int</u>).



Integration between e-Submission and e-Communications



History

Submission Date

DD.MM 2024

The e-Submission notice page referred from the sent

Integration between e-Submission and e-Communications (1)

A new composing view of outgoing correspondence on e-Communications

Request to BR	to forward:	⊖ Yes ⊛ No			•	The files submitted via e-Communications are
Category: *		Category +	Provision			Submission.
From: Communication	п Туре:	New communication	DD.MM 2024 TT:TT		•	Users can see the files in this list if the status of the notice is after "Submitted to BR".
To: * Copy To: Subject: *	Users refer	s can enter a specifi ence number referr	c e-Submission ed from a composing			Reference: ADM2024-20XXX Details Fr ommunications Histor Station/Satellite Name: TESTSAT-1 Type of submission: XXXXXX Image: Station of the submission of the s
Submission r	COTTE	ADM2024-20XXX	for only own notices).	Sent c Comm atio	on e- nunio ns	Additional files File Name size Submissio Date e-Communication referenceC-ADM-24XXXXXX From: ITU To: ITU test document docx DD MM 20
Files: test docume	ent.docx Usei	rs can submit additi	+ Add Download * Delete onal files concerned with			Users with appropriate accounts on e-Submission and e- Communications can jump directly to the correspondence on e- Communications from e-Submission.
	the	notice of e-Submiss	ion reference number.			www.itu.int/wrs-24 23

correspondence

When c

is sent v under " on e-Su

Integration between e-Submission and e-Communications (2)

- The correspondence referred to a notice via e-Communications are listed under "Communications" K, tab on the referred notice page on e-Submission.
- The notifying administration of the notice can access the related correspondence on e-K" Communications directly from e-Submission if the user has a user account of e-Communications.

Station/Satellite Name: TESTSAT-1 Type of submission: XXXXXX		пециенскез	Acknowledgements	Communications	HISTOLY
Due date*: 14.02.2024 From: ITU Reference: C-ITU-24XXXXXX To: ADM Subject: Test				1	<i>@</i> 1
pondence with e-Submission reference number Communications, the correspondence is listed nunications" tab on the referenced notice page sion automatically.	User: Subn direc Com	s with appronission and controls the control of the	opriate accounts e-Communicatio orrespondence of s from e-Submiss	on e- ns can jump n e- ion.	

e-Submission of Satellite Network Filings

Integration between e-Submission and e-Communications (3)

e-Communications users can initiate a new correspondence on e-Submission .



A composing view on e-Communications

A list of correspondence under "Communications" on **e-Submission**

Integration between e-Submission and e-Communications (4)

S Users can add correspondence via e-Communications under "Communications" tab on e-Submission.



(*) Please note that, in this case, additional files are not automatically uploaded to the details page in the notice.



Useful Information

Test Sites for e-Submission and e-Communications

<u>Test sites</u>

You can exercise submissions with the following test site with test user accounts.

- Test site for e-Submission: <u>https://www.itu.int/ITU-R/space-submissions/external/beta/</u>
- Test site for e-Communications : <u>https://www.itu.int/ITU-R/e-communications/external/beta#</u>

Test user account

- Test user accounts have been prepared for administration and one of Operating Agencies in each Administration.
- Test username: rtrain_ADM
 Password: rtrain24@itu

*"ADM" is different according to yourAdministration's symbol.e.g., F (France), IND (India), SUI (Switzerland)

- 1 test user account has 2 user roles (Administration Manager and Operator Manager).
- Each user can switch a user role between Administration Manager and Operator Manager via user management component.



Test materials for e-Submission

- You can test any notices on the test site.
- Some test filings have been uploaded on As-Received site on the test site.
 - If you don't have an appropriate test material tested on the test site, please download the test filing from As-Received site on the test site after logging in as a test user of SUI Administration

Test user account: **rtrain_SUI** Password: **rtrain24@itu**

 You can also download test filings as a test user account of your Administration and change a notifying Administration of test filings with SpaceCap software, then can test submissions on the test site.



UU	e-Subr Test sit	e	Satellite N	_As	Recei	ved	ITU_ERSC\RTR/	AIN_SUI N
📌 Home	Su	bmissions	As-Received	Users	Help			
Publish	ed	Comments		-				
חיים	lic	had	ceived	"				
PUD	112	neu	et published)	by the Bureau ir	accordance with R	es 55 (Rev. WRC-19).		
L Space stat	tion coora	nation reques	is including those	e request for co	ordination received I	petween 01 07 2016 and 31 12 2016 fo	r which there are no corresponding	APIs
2 Notification	n of space	station	.a, moluding mos	c request for co	Junation received i	Serveen 01.07.2010 and 01.12.2010 to	which there are no corresponding	Ai is.
	n or space	Station						
	ne rocoiva	d under 8.4.1	3 or 8 4 2 6 of Ar	ticle 4 of Annen	dices 30 and 30A			
1 Submissio	ins receive	d under § 4.1	3 or § 4.2.6 of An	ticle 4 of Appen	dices 30 and 30A.			
 Submissio Submissio Submissio 	ins receive ins receive	ed under § 4.1 ed under Artick ed under § 6.1	.3 or § 4.2.6 of Ar 2 A of Appendice and § 7 2 of App	ticle 4 of Appen es 30 and 30A. endix 30B	dices 30 and 30A.			
4. Submissio 5. Submissio	ns receive ns receive ns receive	ed under § 4.1 ed under Artick ed under § 6.1	3 or § 4.2.6 of Ar 2A of Appendice and § 7.2 of App	ticle 4 of Appen es 30 and 30A. endix 30B.	dices 30 and 30A.			
4. Submissio 5. Submissio addition, the	ins receive ins receive ins receive e informati	ed under § 4.1. ed under Article ed under § 6.1 on "as-receive	3 or § 4.2.6 of Ar 2 A of Appendice and § 7.2 of Appendice d" for API, Notific	ticle 4 of Appen es 30 and 30A. endix 30B. cation of Earth S	dices 30 and 30A . tation, Radio Astron	omy Stations, resubmissions under RR	R 11.46, Resolution 35, Resolution 45	9 and
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Test materials for e-Communications

- You can send any correspondence with/without attachments to any Administrations and BR on the test site.
- Some test correspondence have been sent to Inbox of all Administrations on the test site.
 - If you don't have an appropriate test material tested on the test site, please download the test letters attached to correspondence from ITU to the test user account of your Administration.





Inbox on the test site where test letter can be downloaded.

Useful Information



Tips for the exercise on the test site

- If you have your own TIES user account, you can register it as Administration User of your Administration on the test site after you log into the test site with a test user account of your Administration.
- Please note that all test user accounts are shared by everyone. All filings uploaded to the test site can be shared by all test users. Therefore, please don't upload sensitive or confidential filings to the test site.



Registration of User accounts -Nomination of Administration Manager and User roles-

User roles

- (1) Administration Manager: has the privileges to
 - Compose and send correspondence to BR and Administrations.
 - Add/Remove user accounts for Administration User in the same Administration.

(2) Administration User: has the privilege to compose and send correspondence to BR and Administrations.

Nomination of Administration Manager

 Administrations not registered are requested to designate Administration Manager to the Bureau with the following information via email <u>brmail@itu.int</u> or telefax: +41 22 730 5785

Required information: (1) the person's name, (2) title, (3) email address, (4) telephone number and (5) TIES username

• The Administration Manager can authorize access to e-Communications for other Administration Users.

Please refer to further details in the circular letter CR/447, CR/450 and Release Note (User Guides)

Willingness to use e-Communications as the only communication means

- Your Administrations are invited to inform the willingness to discontinue traditional means of communication (email, telefax and postal mail) if your Administrations wish to use "e-Communications" as the only means of communication between the Administrations and BR according to Resolves 3 in Res 907(Rev.WRC-15).
- BR sends outgoing correspondence via only e-Communications to the Administrations which have informed the above-mentioned willingness on e-Communications.
- The Administrations which have informed their willingness on "e-Communications" are indicated on <u>Contact addresses of</u> <u>notifying administrations (Space services) page</u> on ITU website.
- AUS, FIN, HNG, LUX, NOR, SUI, UAE and UKR have their willingness to use e-Communications as the only means of communication at this moment.

Contact addresses of notifying administrations (Space services)

From the list of all symbols and designations for Administrations, the contact addresses for service matters can be retrieved by clicking on the relevant symbol.

Symbol	Designation					
AFG	Afghanistan	Admi	nistration: Hungary			
AFS	South Africa	HNG	National Media and	E-communications only an	d in case of fail	lure
AGL	Angola		Infocommunications Authority Frequency Planning and	please use fto@nmhh.hu		
ALB(S)	Albania		Coordination Unit Visegradi u. 106			
ALG(S)	Algeria		BUDAPEST, 1133 Hungary			
AND	Andorra		Fax: +36 1 457 7120			
ARG	Argentina		+36 1 457 7163			
ARM	Armenia	Adm	inistration: Ukraine			
ARS	Saudi Arabia	UKR	(S) State Service for Special Comm	nunication and Information	E-communi	ication
ARS/ARB	Saudi Arabia		Protection of Ukraine 13b Solomianska Street			
ATG	Antigua and Barbuda		KYIV, 03680 Ukraine		L	_
AUS(S)	Australia		Email: info@dsszzi.gov.ua; doz kom@	dsszzi.gov.ua;		
AUT	Austria		doz_soa@dsszzi.gov.ua; doz_ro	ov@dsszzi.gov.ua		
AZE	Azerbaijan		F	· · · · · · ·		
B(S)	Brazil		Examples of	i some	~ + ~	
BAH	Bahamas			ions whishin	g to us	se
BDI	Burundi		means of co	cations as th	e only	
BEL	Belgium			minumcatio	115	
BEN	Benin					

http://www.itu.int/online/mm/scripts/org_br_admin.list?_group=BR_SSD

Useful Information



User Support for e-Submission and e-Communications

Helpdesk

- Please contact the helpdesk (<u>spacehelp@itu.int</u>) or the hotline (**+41 22 730 6777**, from 09:00 to 17:00 hours, Geneva time) if you have questions or any difficulties using the system.
- BR also welcomes any suggestions for improvements to the system.

User support information

e-Submission

More detailed information for the system are described in <u>CR/427</u> dated 13 March 2018, <u>CR/434</u> dated 1 August 2018 and the system website: <u>https://www.itu.int/itu-r/go/space-submission</u>

User support page (FAQ, User Manual and other useful references) :

https://www.itu.int/en/ITU-R/space/e-submission/Pages/User-Support.aspx

User Manual: https://www.itu.int/en/ITU-R/space/e-submission/Documents/User_Manual_of_e-Submission.pdf

e-Communications

More detailed information for the system are described in <u>CR/447</u> dated 1 August 2019, <u>CR/450</u> dated 25 September 2019 and the system website: <u>https://www.itu.int/en/ITU-R/space/e-communications</u>

- User Guide, notices to users and other useful references have been uploaded in the user support page: <u>https://www.itu.int/en/ITU-R/space/e-communications/Pages/default.aspx</u>
- User Guide: https://www.itu.int/en/ITU-R/space/e-communications/Documents/User Guide of eCommunications.pdf



Tips for submissions by e-Submission (1)

Submit diagrams in GIMS file for submissions of API and Notification

S All graphical data shall be submitted in graphics data format compatible with BR's data capture software GIMS in accordance with Resolution **55** (Rev.WRC-23).

Withdraw former SpaceCom file in submitting another SpaceCom file to the same IFIC

Please withdraw initial SpaceCom comments file when submitting another SpaceCom comments file to the same IFIC in order to proceed the process in BR smoothly without confusions.

BR Registry Date	Comments	▼ IFIC	IFIC date	Status	Click on "Request for	Status
29.10.2020	CR/D	2925	21.07.2020	Accepted by BR	withdrawal"	Requested for withdrawal to BR
04.11.2020	CR/D	2925	21.07.2020	Submitted to BR		Accepted by BR



Tips for submissions by e-Submission (2)

Update email addresses for TIES accounts

S Automatic acknowledgement emails are sent to your email address associated with your TIES account.

- In order to deliver acknowledgement emails to you correctly, please keep to update your email address associated to your TIES account thorough TIES Services: <u>https://www.itu.int/en/ties-</u> <u>services/Pages/default.aspx</u>
- S Change email addresses associated with TIES accounts to ones which you use on your business if your email addresses associated with TIES account are free email addresses to which you don't access.

Don't forget to attach supplemental information when you submit with SNS file

Please submit notes, clarifications or supplemental information which are not included in a SNS file or a GIMS file as separated files if necessary.

\$ If such additional information is missing, the process might be delayed.

Tips for communications on e-Communications



Access e-Communications and read correspondence from other Administrations

- Please access e-Communications frequently and read correspondence sent from other Administrations or BR at least when you receive automatic acknowledgment emails from e-Communications system.
- If you don't receive any acknowledgment emails though you are a user of e-Communications, please update your email address associated with TIES account to the email address you access frequently in order to acknowledge correspondence your Administration receives smoothly.
- S The coordination process of your satellite network may be delayed if your Administration doesn't notice correspondence received via e-Communications.

Rest assured that all correspondence sent to BR via e-Communications have been treated by BR

- S The Bureau is sometimes asked if the Bureau reads correspondence sent via e-Communications from Administrations because the history of correspondence doesn't change to "Read".
- Solution The Bureau accepts and reads all of correspondence from all Administrations via e-Communications smoothly and processes them normally even if the history on e-Communications does not show that the message has been read by ITU.

e-Submission of Satellite Network Filings / e-Communications



Thank you!

ITU – Radiocommunication Bureau

Questions to brmail@itu.int or spacehelp@itu.int