

e-Submission of Satellite Network Filings / e-Communications

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Contents

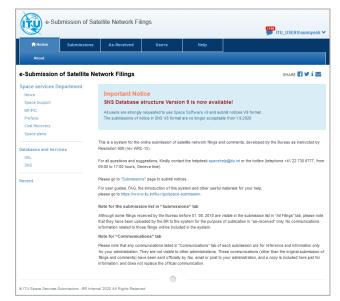
1. e-Submission / e-Communications

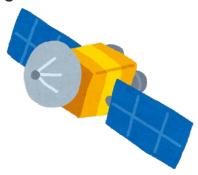
- General introduction
- General functions
- Recent updates
- Updates for SNS V10
- Takeaways

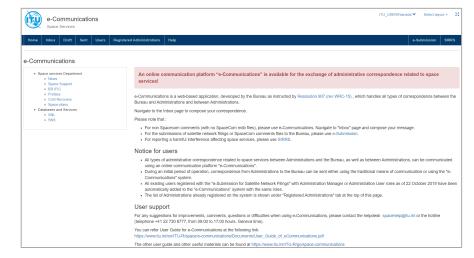
2. Integration between e-Submission and e-Communications

3. Useful Information

- Test sites
- User support
- Tips to access e-Submission and e-Communications









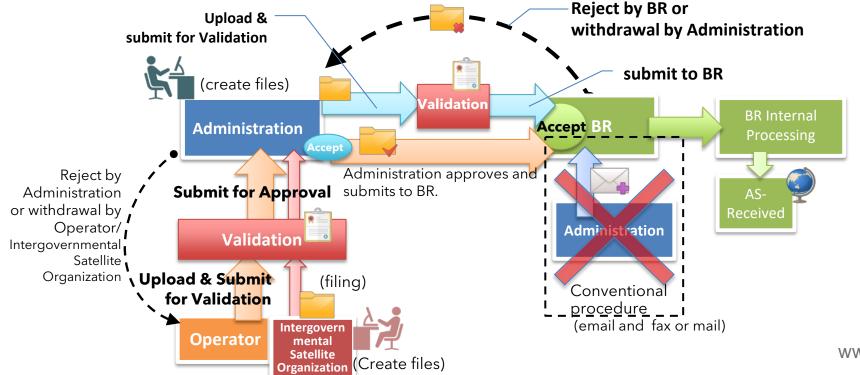
e-Submission

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General Introduction (1)

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

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



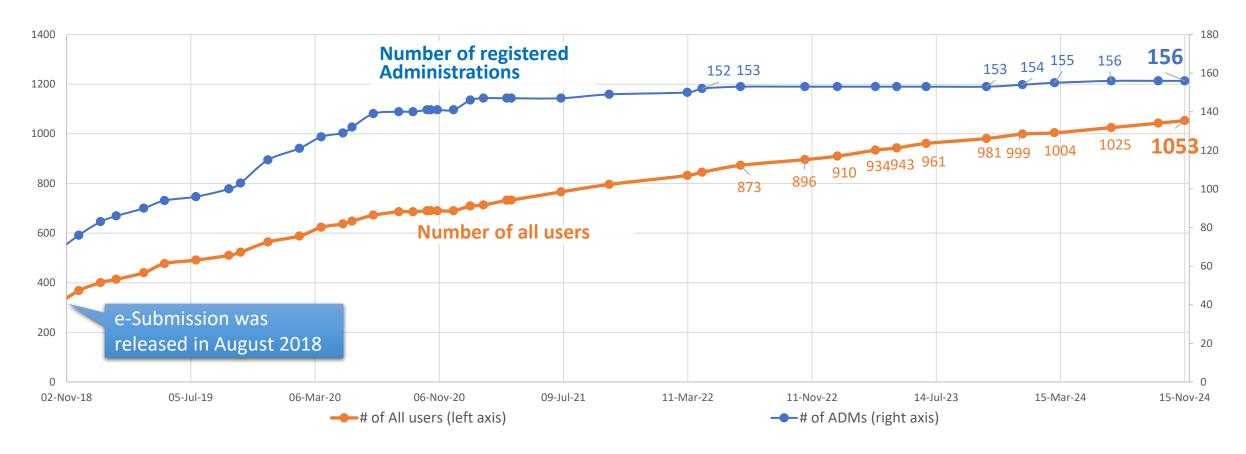


General Introduction (2)

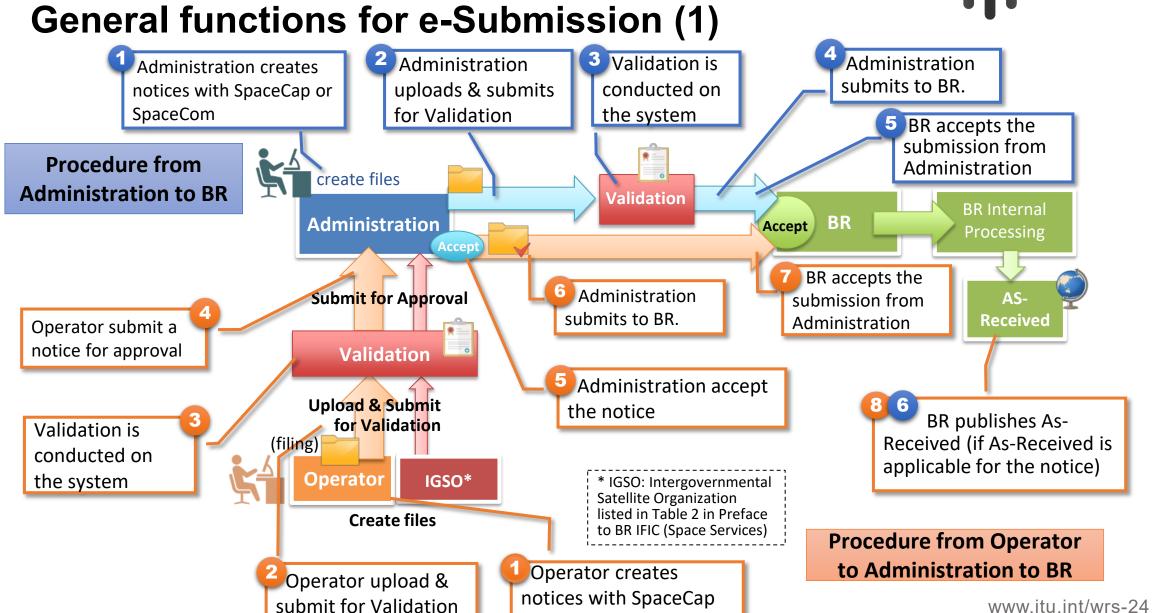
As of 15.11.2024

(# of users) e-Submission: Numbers of registered users and administrations

(# of ADMs)



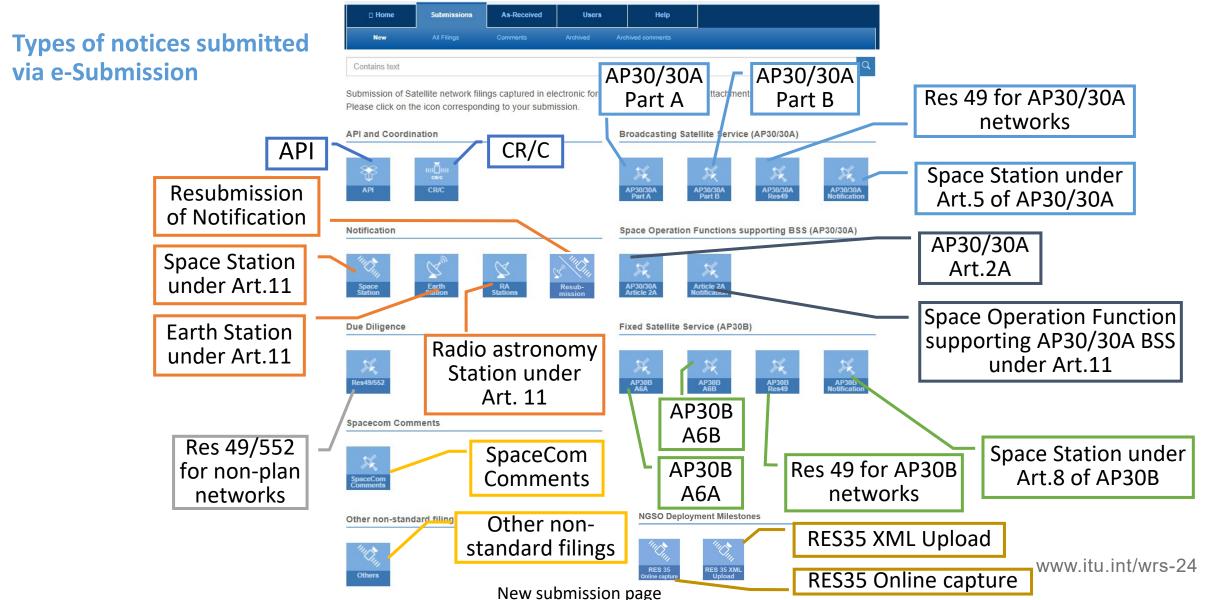




or SpaceCom



General functions for e-Submission (2)



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Recent updates (1)

New status "Published in BR IFIC"

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"

- Assist users in verifying their compliance to PFD and EIRP limits specified in the Radio Regulations
- Automatic execution when a SNS file is uploaded
- 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) |
| | | - |

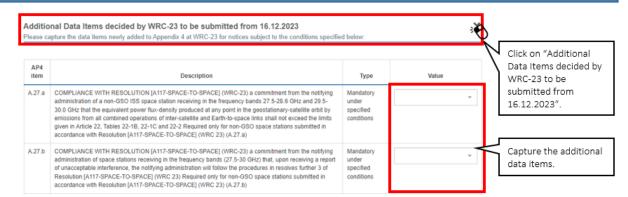
Once completed, e-Examination generates a report via the online interface and it can be downloaded.

- * 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)

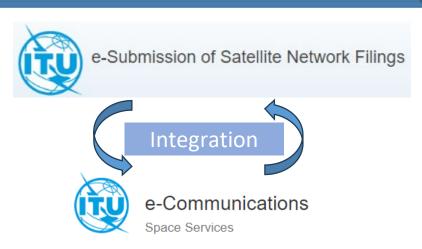
Additional data items in accordance with the new decisions made by WRC-23

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



Integration between e-Submission and e-Communications

- Linkage from correspondence on e-Communications to a specific filing on e-Submission referred on the correspondence
- Assist 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 unacceptable 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





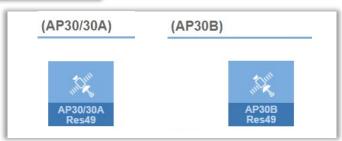
mission



Common mistake for submissions by e-Submission

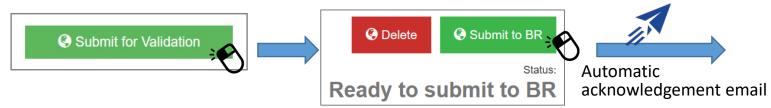
- (!) Don't mistake Due Diligence information of Planned band for Non-Planned band
 - BR often receives Res 49 of **Planned band** (AP30/30A and AP30B) through Res49/552 category of **Non-Planned Band**.
 - A submission with wrong category may delay the treatment process.

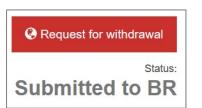




Due Diligence for Planned Band

- (I) 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.
 - Don't forget to click on "Submit to BR" and make the status "Submitted to BR" after an online validation processes have finished.
 - Users can confirm a submission to BR with receiving automatic acknowledgement email.







e-Communications

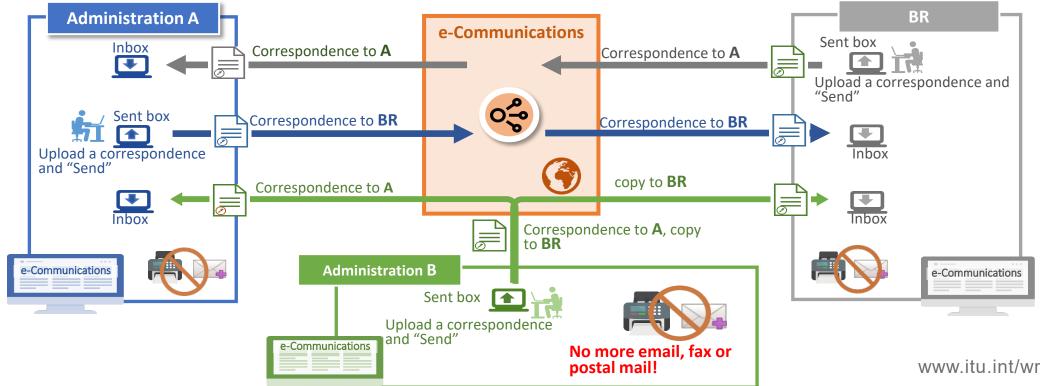


General Introduction (1)

- 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)

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

* Resolution **907** was integrated into Resolution **55**(Rev. WRC-23).

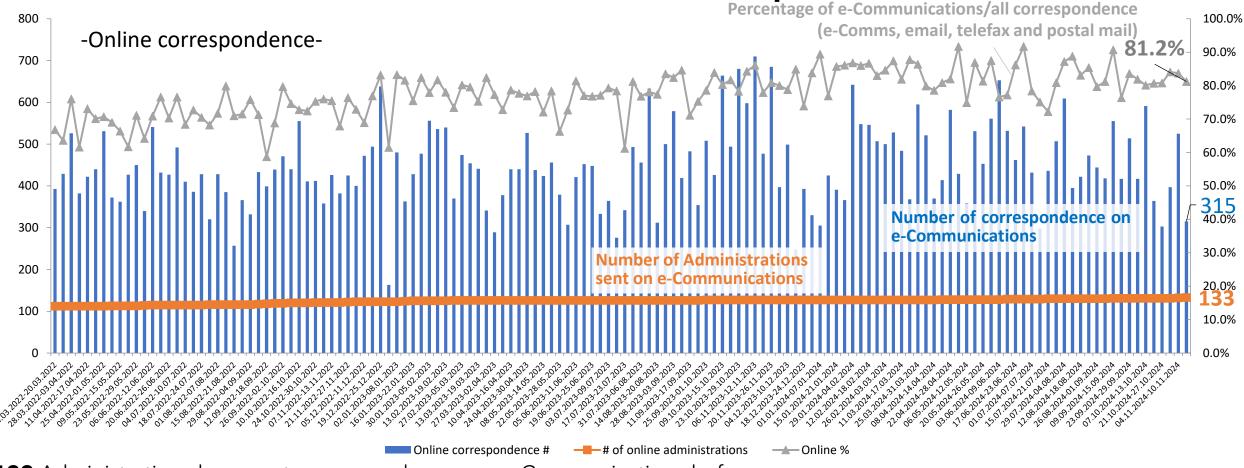


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General Introduction (2)

As of 15.11.2024

e-Communications: Online correspondence

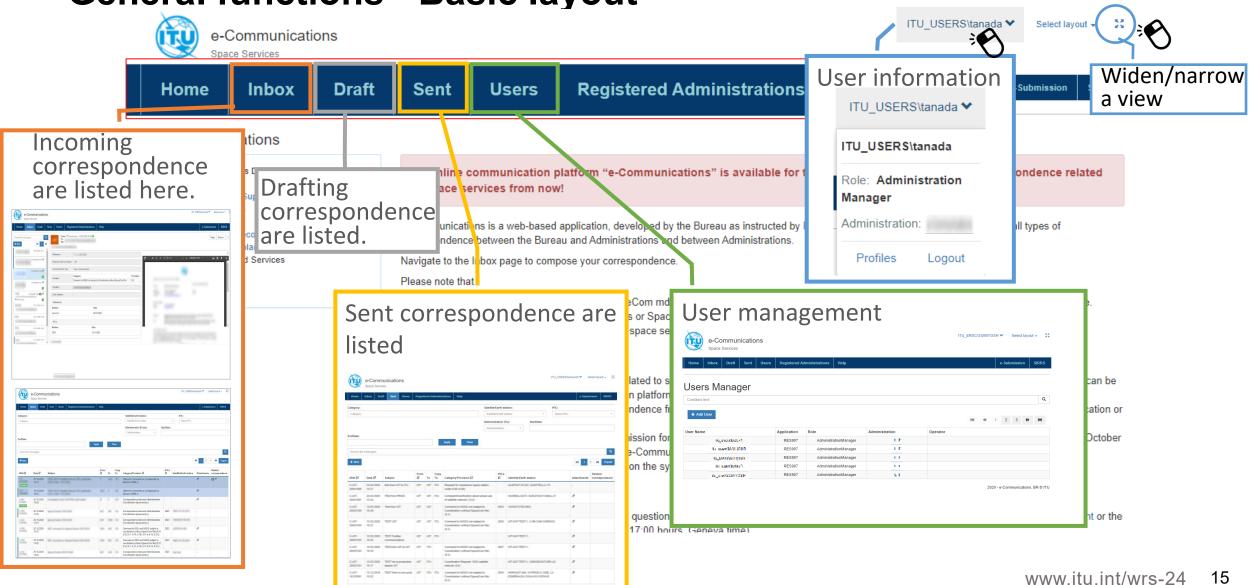


133 Administrations have sent correspondences on e-Communications before.

(163 Administrations have been registered in e-Communications. 18.4 % of registered Administrations have not sent on e-Communications.)

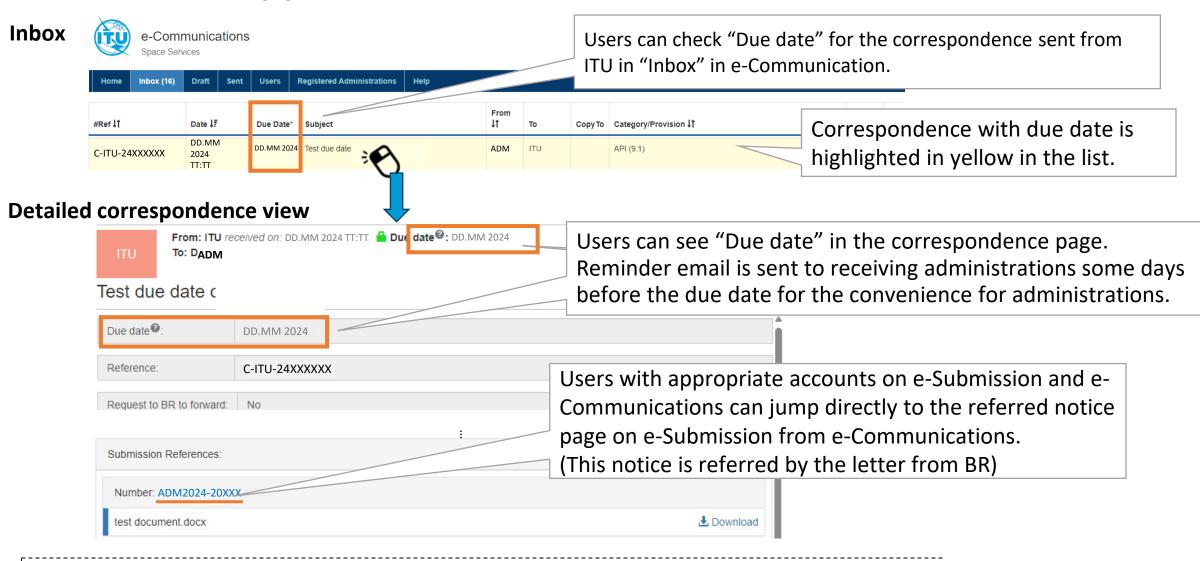


General functions -Basic layout-



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Recent Updates (1) - Due date -

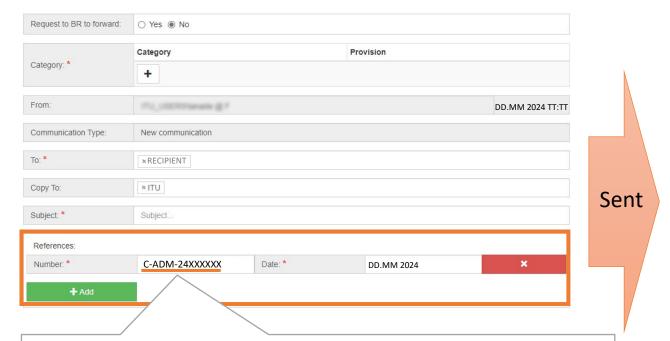


This function is used for correspondence sent from ITU to a notifying administration for a clarification on the submitted notices.



Recent Updates (2) – link to another correspondence

New composing view of outgoing correspondence



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

| Export ▼ | |
|-----------|--|
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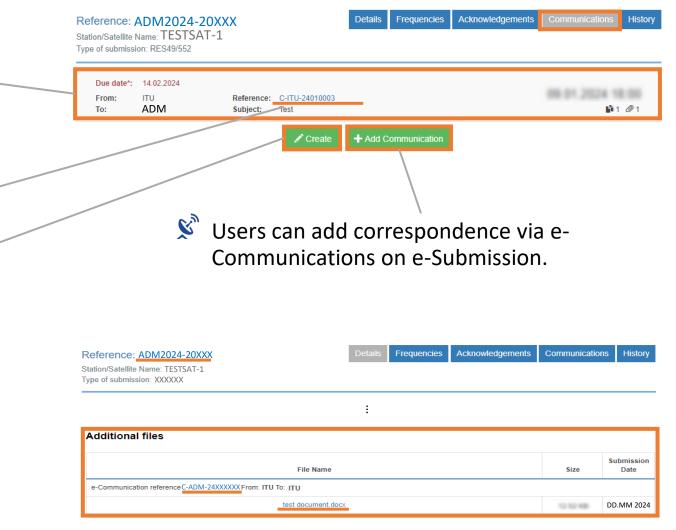
Important note for e-Communications

- 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.
- 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.

ications

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 | <u>e-Communications</u> | |
| 4. | non SpaceCom comments (without SpaceCom mdb files) | <u>e-Communications</u> | |
| 5. | Reply to the correspondence from the Bureau on a clarification for the submitted notices (both with and without a mdb file) | <u>e-Communications</u> | |
| 6. | Report of a harmful interference affecting space services | <u>SIRRS</u> | |



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 spacehelp@itu.int).

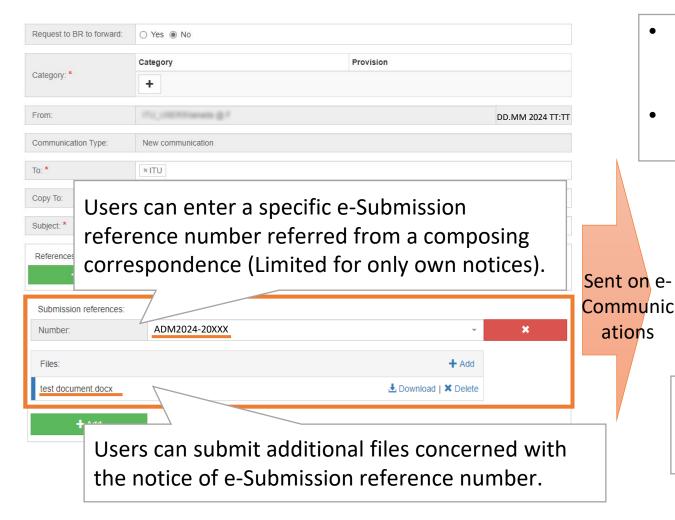


Integration between e-Submission and e-Communications



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

A new composing view of outgoing correspondence on **e-Communications**



The **e-Submission** notice page referred from the sent correspondence

- The files submitted via e-Communications are automatically uploaded to the refered notice page on e-Submission.
- Users can see the files in this list if the status of the notice is after "Submitted to BR".

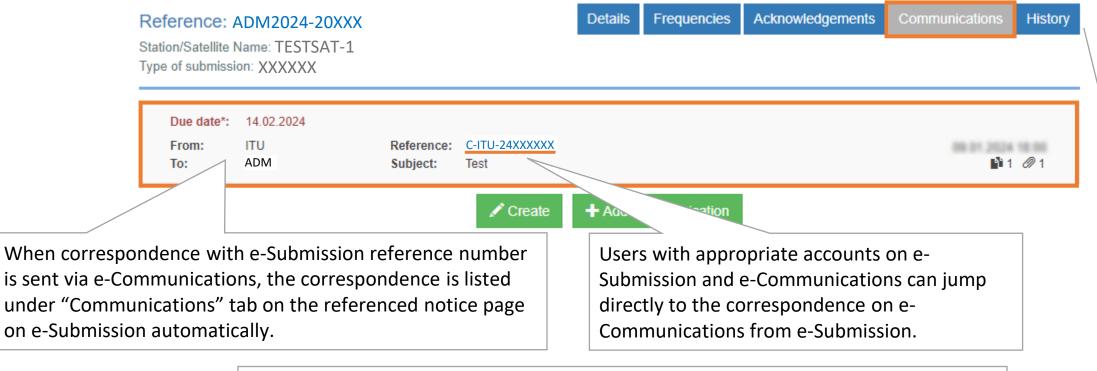


Users with appropriate accounts on e-Submission and e-Communications can jump directly to the correspondence on e-Communications from e-Submission.



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

- The 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.



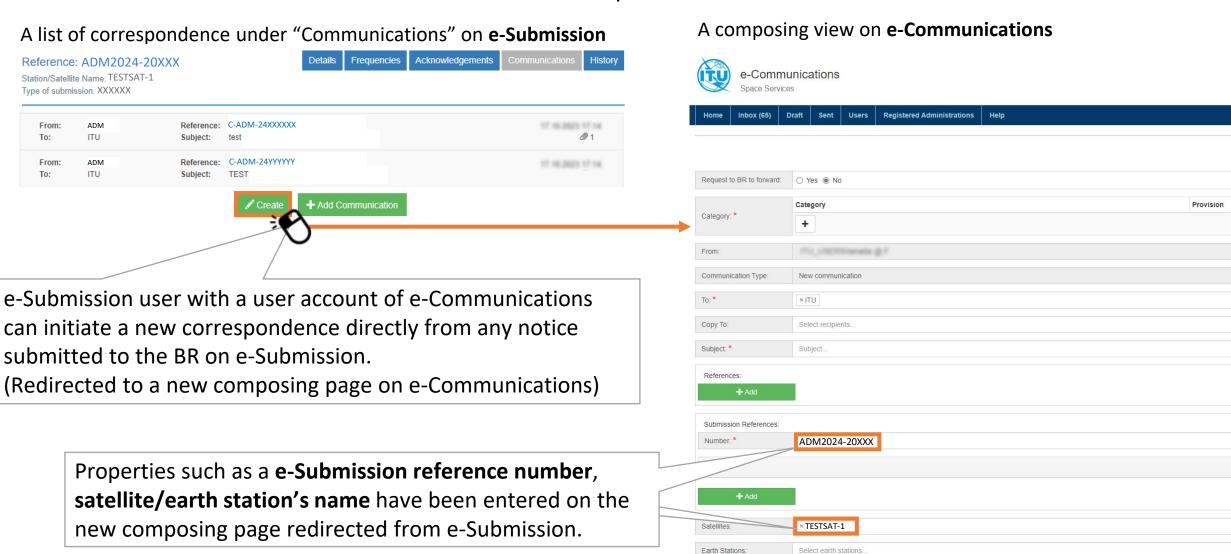
When correspondence referring to a notice on e-Submission is sent via e-Communications, the event on the correspondence is recorded under "History" tab.



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

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

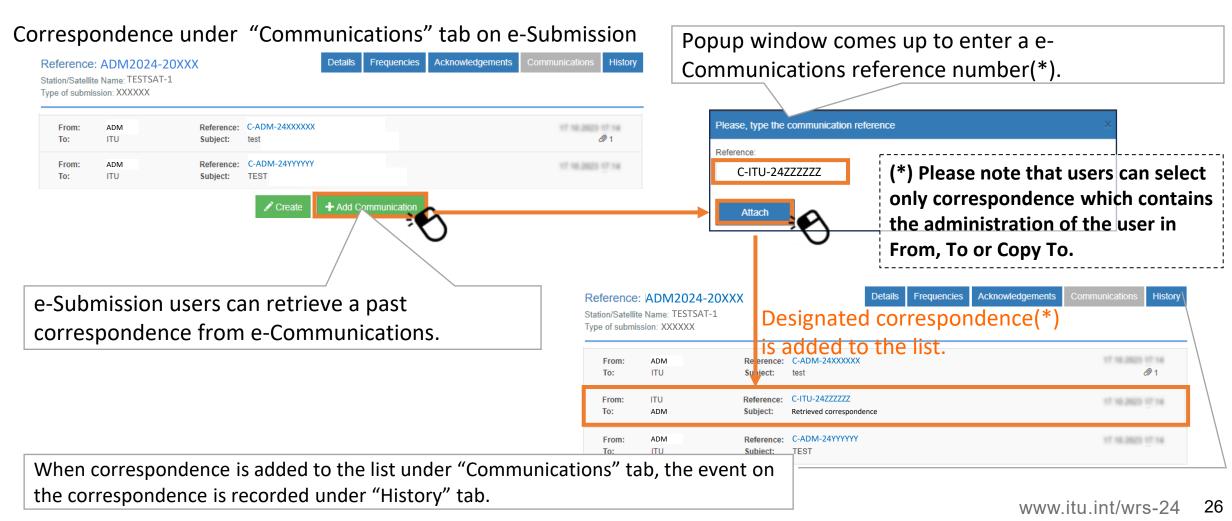


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Integration between e-Submission and e-Communications (4)

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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

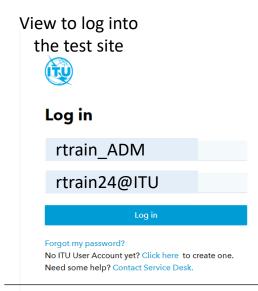
Test sites

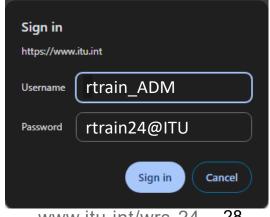
You can exercise submissions with the following test site with test user accounts.

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

Test user account

- Test user accounts have been prepared for administration and one of Operating Agencies in each Administration.
- *"ADM" is different according to your Test username: **rtrain ADM** Administration's symbol. rtrain24@itu Password: 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.





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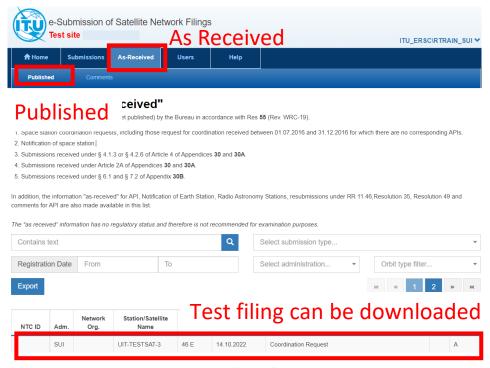
Test materials for e-Submission

- 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.

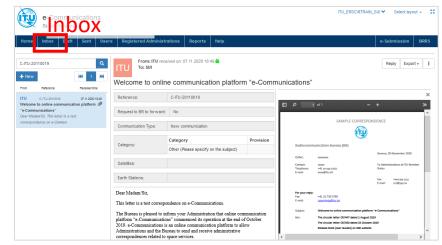


As Received on the test site



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.



downloaded.



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 brmail@itu.int 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

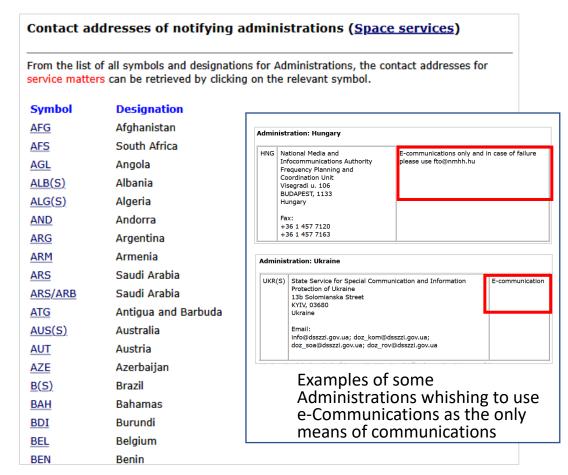
• The Administration Manager can authorize access to e-Communications for other Administration Users.

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 Contact addresses of notifying administrations (Space services) page 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.



http://www.itu.int/online/mm/scripts/org br admin.list? group=BR SSD



User Support for e-Submission and e-Communications

<u>Helpdesk</u>



Please contact the helpdesk (spacehelp@itu.int) or the hotline (t+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: https://www.itu.int/itu-r/go/space-submission



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: https://www.itu.int/en/ITU-R/space/e-communications



User Guide, notices to users and other useful references have been uploaded in the user support page:

https://www.itu.int/en/ITU-R/space/e-communications/Pages/default.aspx



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
 - 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 | | 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
 - 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: https://www.itu.int/en/ties-services/Pages/default.aspx
 - 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.
- (I) 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.
 - 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
 - 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".
 - 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.



Thank you!

ITU – Radiocommunication Bureau

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