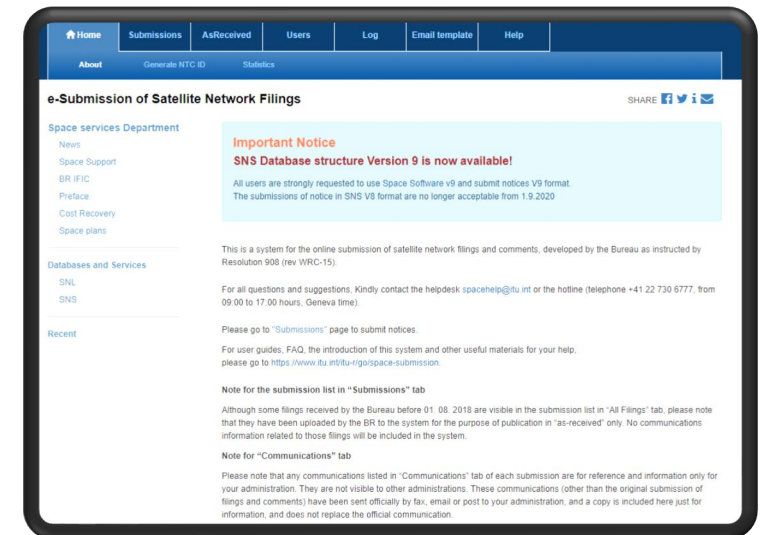


Report on Resolutions 907 and 908 - Current status and future work

Space Services Department,
Radiocommunication Bureau
ITU



e-Submission (top page)



Background

- Resolution **908** (Rev.WRC-15)
 - *resolves* that administrations shall submit all satellite network filings and comments, if required, using a secure paperless electronic approach upon being advised that the means for such electronic submission of a satellite network filing for satellite networks or systems has been implemented and upon receiving assurances that such means are indeed secure,
 - *instructs* the Director of the Radiocommunication Bureau to implement a secure paperless electronic approach for the electronic submission and publication of satellite network filings and comments, if required, for satellite networks or systems, taking into account the conditions mentioned in the resolves of this Resolution;
- To meet the *resolves* and *instructs* of Res **908** (Rev.WRC-15), the Bureau has been developing online applications implementing a consolidated approach for the electronic submission, processing and publication of all satellite network notices and comments.
 - To assist in development and testing under Res 908, the Administration of Japan made a financial contribution to the Res 908 project and made available a space regulatory expert in Geneva.

Implementation

In the development under Res **908** (Rev.WRC-15), “**e-Submission of Satellite Network Filings**” was developed as a web-based secure paperless online system for Administrations and satellite operating agencies to submit all satellite network filings and SpaceCom comment files to the Bureau.

The online submissions from Administrations to the Bureau through the e-Submission system became mandatory as of **1 August 2018**, and 100 % of online submissions of notices and SpaceCom comments has been achieved.

The online system was extended to cover the implementation of **e-Communications** for an online communication platform for the exchange of administrative correspondence related to space services, in response to **Res 907** (Rev. WRC-15) and *instructs 2* in **Res 908** (*a consolidated approach for the electronic submission of both satellite network filings and their related correspondence*).

The following pages show the status of the implementation of the various tasks of the project as submitted to the Radiocommunication Advisory Group in 2017 (reference: Revision 1 to Document [RAG17/1-E](#))

Current status of Res 908 project

#	Task Name	Status	Remarks
1	Development and implementation of "As-received" and API publication system in response to revised API procedure and revised Res 55	Completed	<p>"As-received" publication system was implemented for all notices required to be published "as-received" in accordance with Res 55 (Rev. WRC-15). This includes: <i>Coordination Request, Notification of space station, submissions received § 4.1.3 or § 4.2.6 of Article 4 of Appendices 30 and 30A, submissions received under Article 2A of Appendices 30 and 30A and submissions received under § 6.1 and § 7.2 of Appendix 30B</i></p> <p>Also, "As-received" for API and notifications of earth station and radio astronomy station was made available from the initial implementation.</p> <p>Additionally, "As-received" of the following provisions became made available later according to the adoption at WRC-19 and the convenience for Administrations: Due diligence information on Res 49/552, Resubmissions of notification under No. 11.46, submissions under Res 35, and comments for API for submissions under Res 32 (No.9.3.1).</p> <p>In terms of API publication system, the online publication for the API/C generated from Coordination Request has been implemented.</p>

"As-Received" website

Information "As Received"

List of satellite notices received (but not yet published) by the Bureau in accordance with Res 55 (Rev. WRC-19).

1. Space station coordination requests, including those request for coordination received between 01.07.2016 and 31.12.2016 for which there are no corresponding APIs.
2. Notification of space station.
3. Submissions received under § 4.1.3 or § 4.2.6 of Article 4 of Appendices 30 and 30A.
4. Submissions received under Article 2A of Appendices 30 and 30A.
5. Submissions received under § 6.1 and § 7.2 of Appendix 30B.

In addition, the information "as-received" for API, Notification of Earth Station, Radio Astronomy Stations, resubmissions under RR 11.46, Resolution 35, Resolution 49 and comments for API are also made available in this list.

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

Contains text Select administration... Select submission type... Orbit type filter...

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NTC ID	Adm.	Network Org.	Station/Satellite Name	Long. Nom.	▼ BR Registry Date	Type of submission	Reg	Act. Code
122500055	USA		P92-9A	110 E	28.03.2022	Notification of Space Station		A
122500054	USA		P92-4A	13 W	28.03.2022	Notification of Space Station		A
122520032	ARS	ARB	ARABSAT-11B-26E	26 E	28.03.2022	Coordination Request		A
122520033	ARS	ARB	ARABSAT-11A-30.5E	30.5 E	28.03.2022	Coordination Request		A
122545083	J		STRIX		28.03.2022	Advance publication information		M
122500053	KOR		STEP CUBELAB2		28.03.2022	Notification of Space Station		
122559003	F		F-SAT-P-30B-174E-F	174 E	25.03.2022	AP30B Articles 6 and 7		A
122520031	F		F-SAT-N10-113W	113 W	25.03.2022	Coordination Request		A
122545080	J		RAISE-3		24.03.2022	Advance publication information		A
122545059	J		SPHERE-1		23.03.2022	Advance publication information		A
122500052	J		HAYABUSA2		23.03.2022	Notification of Space Station		M
122520030	G		PROMETHEUS-2		22.03.2022	Coordination Request		A
122545058	G		PROMETHEUS-2		22.03.2022	Advance publication information		A
122545057	G		AAC-HSI		22.03.2022	Advance publication information		A
122500051	CHN		FYGEOSAT-A-123.5E	123.5 E	22.03.2022	Notification of Space Station		A
122590017	PNG		UHF-TTC-L2		21.03.2022	RES49/552		A
122590016	PNG		MSL2SAT		21.03.2022	RES49/552		A

J2022-50749

Details Frequencies

Notice ID	Administration / Network Org.	Satellite Name
122545083	J	STRIX
Submission Reference Number	Act. Code	Type of Submission
J2022-50749	M	Advance publication information
Provision	Target Notice ID	Orbital Position
9.1/IA	119545107	NGSO
Reference Body	Number of Planes	BR registry date
T	2	28.03.2022
Date of Receipt	Number of satellites	Short Duration Mission
28.03.2022	60	

Operating Agency

TELECOMMUNICATIONS BUREAU (T.B.), MINISTRY OF POSTS AND TELECOMMUNICATIONS

Document Type	File Name	Size	#	Actions
Other	MICTB170.pdf	201.77 KB		
SNS(MDB) As Received Copy	strix_mod3_A.mdb	3.61 MB		
GIMS(MDB) As Received Copy	GIMS_API_MOD3_anipaL.mdb	1.21 MB		

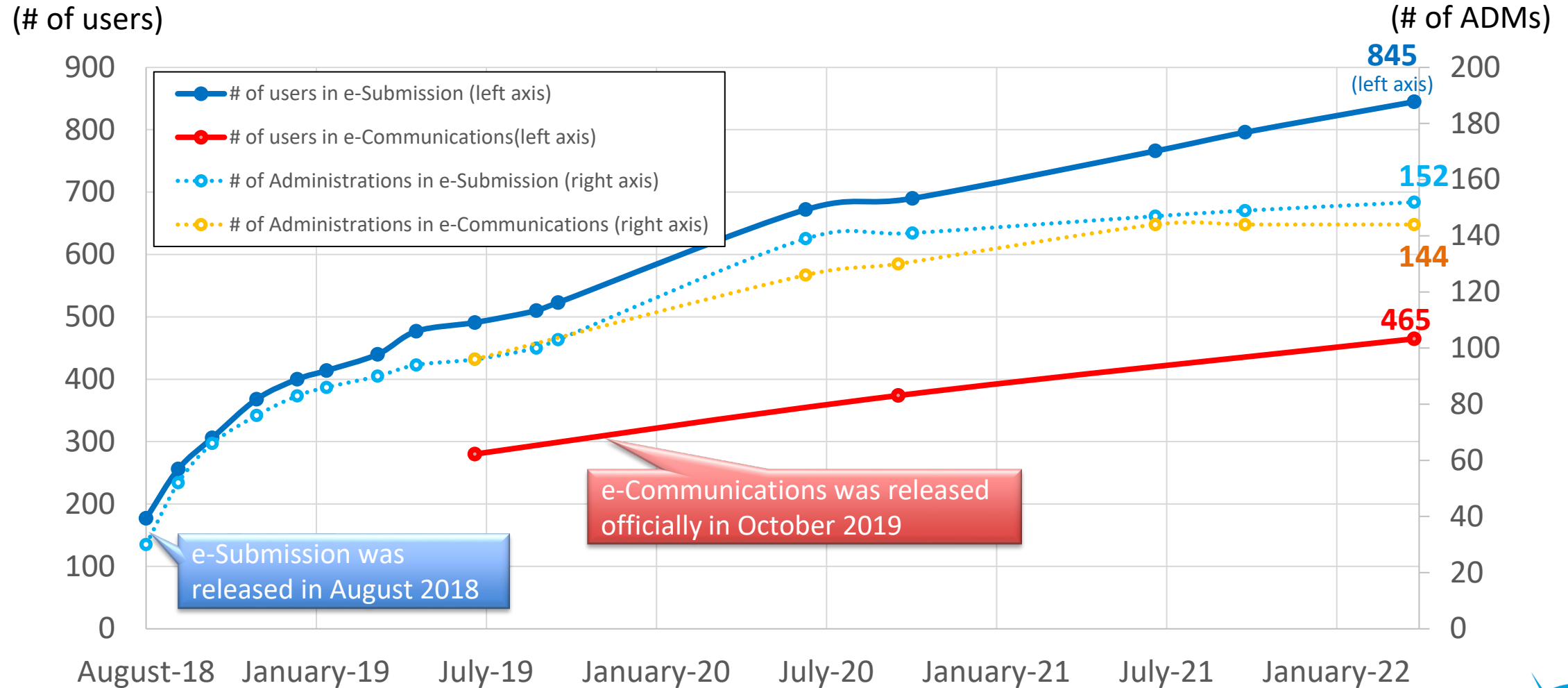
<https://www.itu.int/ITU-R/space/asreceived/Publication/AsReceived>



Current status of Res 908 project

#	Task Name	Status	Remarks
2	Development of system for online upload of filings	Completed	<p>The "e-Submission of Satellite Network Filings" was developed for online uploading of all filings under Articles 9 and 11, Appendices 30, 30A, 30B and Resolutions 49 (Rev.WRC-15) and 552 (Rev.WRC-15) in application of the procedures of the Radio Regulations, or their comments to a BR IFIC. The system was released in August 2018.</p> <p>The e-Submission system has been developed so far for automatic acknowledgement email, timestamps including the exact date of the event, validations and virus scan of uploaded files, allowing withdrawals of submitted filings, interface improvements including query, sorting and exporting functions, changes related to the additional data items required by the revised Appendix 4(Rev. WRC-19) and the updates in SNS database structure from v8 to v9.</p> <p>Also the online communication platform, "e-Communications" system was developed for administrative correspondence related to space services between Administrations and the Bureau, as well as between Administrations. The system was released in October 2019.</p>

Numbers of registered users and administrations on e-Submission and e-Communications



17,737 submissions received since 1 August 2018 via e-Submission
48,272 correspondences communicated since 23 October 2019 via e-Communications

Current status of Res 908 project

#	Task Name	Status	Remarks
3	System Design	Completed	<p>BR web applications development follows known best practices in web development. The design and architecture of an application such as e-Submission are constantly evolving to meet increased user demand.</p> <p>To be able to rapidly respond to requests for new features, the BR has developed its own web framework (AppFramework) and its own User Management mechanism. These are used for the development of web applications of e-Submission, Online Capture/Edit of filings on Res 35, and e-Communications systems.</p> <p>[AppFramework]</p> <p>AppFramework implements several crucially important features for successful front-end application development and incorporates best industry-wide practices applied in modern JavaScript frameworks.</p> <p>[User Management]</p> <p>In order to improve User Management and make it work across applications in a more flexible, secure, and stable manner, User Management was built on AppFramework (UI) and Web API (server-side) so that it can be attached to any web application as well used as a standalone application.</p> <p>User Management uses the Membership module system to improve security. For instance, a user inside one membership module cannot gain access to any other membership module.</p>

Current status of Res 908 project

#	Task Name	Status	Remarks
4	Revision of Publication Process	Completed	Special Sections API/C and Res 35 have been published online as required under the Radio Regulations.
5	Revisions to SNS processing of notices	Partially completed	Preliminary process for filings from e-Submission has been achieved. Further work will be needed to improve.
6	Development of User self service portal	Partially completed	User management function was implemented in e-Submission and e-Communications. Further enhancement in User management is under development.

Current status of Res 908 project

#	Task Name	Status	Remarks
7	Extension of system to online Capture/Edit of filings	Partially completed	Res 35 : Completed Res 40 : Ongoing <u>Res 49/552, other notices : subject to available funding</u>
8	Development of Receivability processing tools	Partially completed	The Receivability processing tools were developed to generate simple reports to facilitate internal processing. Further improvements are continuously ongoing. Furthermore, <u>the integration between e-Communications and e-Submission for managing correspondence relating to receivability is currently at initial stage of development.</u>
9	Development of Management Information System	Ongoing	This system is for BR internal management and still at an initial stage of development.
10	Development of system for Online Comments	Ongoing	The requirement for "e-Comment" for online commenting was drafted and is being updated. <u>The project will commence once funding is secured.</u>
11	Update of SNS online	Ongoing	"Space Explorer" is being developed as an update of SNS online

Current status of Res 908 project

#	Task Name	Status	Remarks
12	Development of Examination Tools	Ongoing	<p>Initial requirements are being prepared to make some examination tools (e.g. for PFD and AP7) available for users to check their submissions online, prior to their submission to the Bureau.</p> <p>In addition, an online tool for verification against table Frequency Allocation for users to check their submissions online, prior to their submission to the Bureau, will be developed <u>if there is availability of funding</u>.</p>
13	Revision of BRIFIC online	Ongoing	This is currently being developed.
14	Monitoring of operation, maintenance and provision of user support	Ongoing	<p>BR is monitoring operations of e-Submission and e-Communications constantly and implemented some measures to secure the smooth operation, smooth communications and submissions on the systems.</p> <p>BR has also established available Help desk services to assist users encountering difficulties with these online systems.</p> <p>Systems are regularly updated. Users are well informed in advance of any system downtime due to the installation of updates.</p>
15, 16	Development of tools for Regulatory checks 11.44 and for maintenance of MIFR	Not yet	These tasks are for internal processing

Future work

- The e-Submission and e-Communications systems have been successfully implemented and have been operating securely and continuously without any critical failures since the introductions on 01.08.2018 and 23.10.2019 respectively.
- e-Submission has been used for all submissions of notices and e-Communications are used by most Administrations. The number of users for both systems is increasing more and more.
- Further work is still ongoing on many tasks that were envisaged in 2017.
- Further updates are ongoing on e-Submission and e-Communications systems according to the requests from Administrations.
- Several major modules may require additional funding in order to deliver new tools, taking into account the current development resources.
- In view of the current budget limitations, the Bureau would like to call for voluntary contributions to fund the additional work.