



# Characteristics of Typical Earth Stations in Fixed Satellite Service

*(WRC-15)*



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# What is it?



- WRC-15 at its 8th Plenary meeting, when considering the issue of notification of **typical earth stations** in the **fixed-satellite service** in the Director's Report (Document 4(Add.2) (Rev.1) § 3.2.3.8) **concluded that further ITU-R studies were needed** before any regulatory decision can be made
- For the purposes of these studies, WRC-15 agreed to instruct the BR to publish a Circular letter containing a **common format** according to which administrations **may wish to submit to the Bureau, on a voluntary basis**, characteristics and number of typical earth stations deployed in their countries, to the extent available, **for information purposes only**. The BR will **collect** this information and make it **available to the relevant Study Groups** (e.g., SG4) for further consideration
- The **Circular Letter CR/404 of 23.05.2016** provides additional information on the tool as well as on the basic access information to it

**<https://www.itu.int/net4/ITU-R/space/TypicalESinFSS/>**



# How to Submit



 Typical E/S in FSS    Help    Contact

## How to submit data for Typical E/S in the FSS

### User access

This tool provides read-only access to entries already submitted that have been posted by the Radiocommunication Bureau.

Submission of new entries requires a TIES account additionally enabled to use this application. To facilitate the submission process, the Bureau has registered the existing entries for administrations (not operators) already registered in the BR SpaceWISC system.

Administrations wishing to submit typical FSS earth stations but not yet registered in the SpaceWISC system should contact the Bureau as described in CR/404. For more information see: [About this tool](#).

### DEMO site

Users with a TIES account but not registered in this application will be automatically routed to a "DEMO" mode (administration code: ITUDEMO). Entries submitted from users with "demo" accounts will be ignored by the Bureau.

The DEMO mode is for user training and demonstration purposes only.

### Submission of new entries

A minimal set of parameters is required in order to provide the necessary information for the studies in ITU-R. The naming of each field is self-explanatory. Most of the data fields are mandatory and their values should be regarded as rough estimates. Administrations may provide any additional information they find useful in the comments field.

Once a submission is ready, it can be submitted to BR using the button labelled "Submit to BR". The BR will do a minimal verification of the data provided before posting the submission on this site (under the link: [About this tool](#))



# Access to the Submission Tool



https://www.itu.int/net4/ITU-R/space/TypicalESinFSS/

ITU Typical E/S in FSS Help Contact

## Characteristics of Typical Earth Stations in Fixed Satellite Service

Tool to submit to BR characteristics of Typical E/S in FSS (WRC-15)

[Learn more »](#)

### List of Typical FSS E/S

List of validated characteristics of Typical E/S into FSS submitted to the Radiocommunication Bureau

[Proceed »](#)

### How to submit information

You can easily submit characteristics of Typical E/S in FSS, deployed in your country.


Your TIES account needs first to be enabled to do this.  
[How do I get submission privileges?](#)

[Proceed »](#)

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# TIES Account

A screenshot of the TIES account login page, enclosed in a red rectangular border. The page features the ITU logo and the text 'International Telecommunication Union'. Below this, there is a 'Security ( show explanation )' section with two radio button options: 'This is a public or shared computer(Session duration 10 minutes)' and 'This is a private computer(Session duration 240 minutes)'. The 'private computer' option is selected. There are input fields for 'Username:' (containing 'YOUR TIES ACCOUNT') and 'Password:'. A 'Log On' button is located to the right of the password field. At the bottom, there is a copyright notice: '© International Telecommunication Union. All rights reserved.'

- Use your TIES account to access the DEMO site



# Create New Entries



Typical E/S in FSS My Entries Help Contact Nikolaos Sinanis

## Create a new entry

Submitting administration: ITUDEM0

Earth station designation name: AnFSS\_ES\_Collection

Country/Geographical area: ITUDEM0

Receiving/Emitting:  Receive  Emit

Estimated number of terminals operated: 100000

Antenna diameter [m]: 1

Antenna isotropic gain [dBi]: 22

Date of bringing into use: 15.12.2016

Satellite 1 Remove

Satellite name: FSSatellite

Identity of the satellite network: APSTAR-1 (131) Show frequencies

Minimum frequency used [MHz]: 5929

Maximum frequency used [MHz]: 6423

+ Add satellite

Administration's comments: any comments that may be useful

Save



# Identify frequency ranges



Ranges of recorded frequencies for APSTAR-1

⚠ Ranges of recorded frequency assignments, are not necessarily contiguous!

Minimum frequency [MHz]	Maximum frequency [MHz]
3625	3695
3704	4198
5850	5920
5929	6423

*Data extracted for space stations recorded into MIFR and having assignments in FSS, from BRIFIC 2819 of 10.05.2016*

OK



# List of Entries



## Entries submitted by ITUDEMO

[Create New Entry](#)

Earth station designation name:	Estimated number of terminals operated:	Processing status:	Received by BR:	
Demo2	10000000	Submitted	20.07.2016 19:51:35	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
KAR	4	Submitted	20.07.2016 19:51:37	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
am1	222	Submitted	19.07.2016 20:14:51	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
Trinidad-RRS-16	100000000	Submitted	20.07.2016 14:53:13	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
trinidad	1000000	Submitted	20.07.2016 19:50:35	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
Max Vargas CTR RRS-16	4000	Submitted	20.07.2016 19:50:38	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
CBC TV	5	Submitted	20.07.2016 19:50:53	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
VSatCur	1	Submitted	20.07.2016 19:51:12	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
name	2	Submitted	20.07.2016 19:51:14	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
Jamaica	10000	Submitted	20.07.2016 19:51:16	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
Beaniemc	2	Submitted	20.07.2016 19:51:25	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
ttcaatest	5	Submitted	20.07.2016 19:51:28	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
Mass TVROs/VSATs 3m	700000	Submitted	05.09.2016 15:00:27	<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a>
Mass TVROs/VSATs 2.4m	1700000	Draft		<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Submit to BR</a>
Mass TVROs/VSATs 1.8m	430000	Draft		<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Submit to BR</a>
AnFSS_ES_Collection	100000	Draft		<a href="#">Details</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Submit to BR</a>





# Summary



- The Bureau has made available this tool to collect Typical ES in FSS data
- Help the Bureau collect this data
- This is **not a Notification tool** and has no **regulatory value!**



**Thank you!**

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