



Characteristics of Typical Earth Stations in Fixed Satellite Service

(WRC-15)



Akim Falou-Dine, Nick Sinanis



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 <u>CR/404</u> 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





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

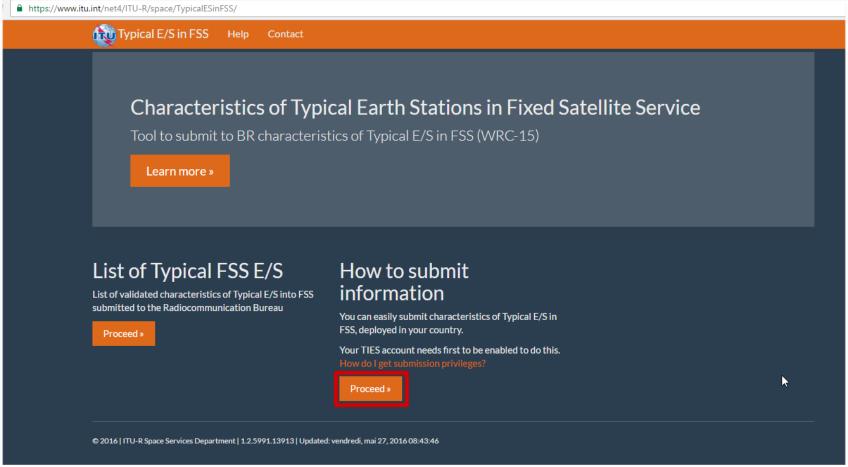
A minimal set of parameters is required in order to provide the necessary information for the studies in ITU-R. The naming of each field is self-explanatory. Most of the data fields are mandatory and their values should be regarded as rough estimates. Administrations may provide any additional information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







TIES Account



| Security (show explanation) This is a public or shared computer(Session duration 10 minutes) This is a private computer(Session duration 240 minutes) Username: YOUR TIES ACCOUNT Password: | ITU | International Telecommunication Union |
|---|-----------|---|
| | • | This is a public or shared computer(Session duration 10 minutes) This is a private computer(Session duration 240 minutes) |
| Log On | Password: | Log On |

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 | ITUDEMO | | |
| Earth station designation name | AnFSS_ES_Collection | | |
| Country/Geographical area | ITUDEMO | | |
| Receiving/Emitting | O Receive Emit | k | |
| 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 | FSSSatellite | | |
| 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

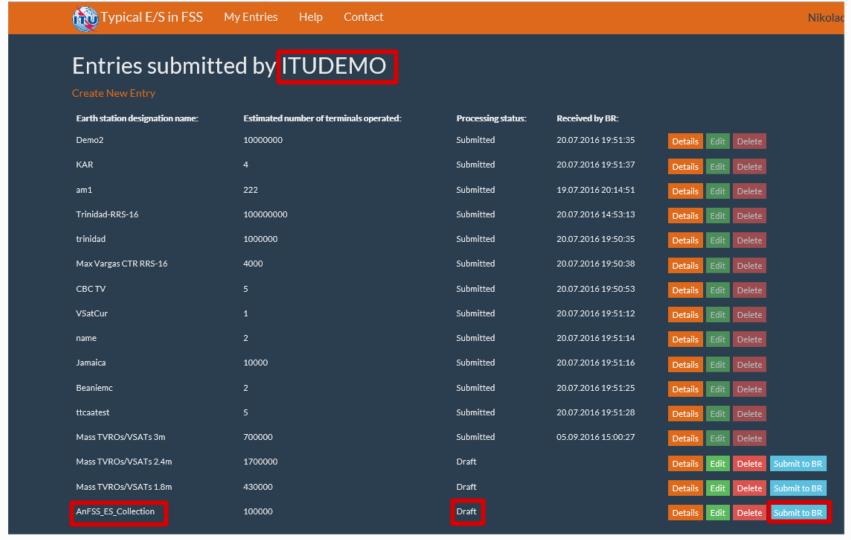


| Minimum frequency [MHz] | Maximum frequency [MHz] | |
|-------------------------|-------------------------|--|
| 3625 | 3695 | |
| 3704 | 4198 | |
| 5850 | 5920 | |
| 5929 | 6423 | |



List of Entries







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!

Akim Falou-Dine <u>Akim.Falou-Dine@itu.int</u>
Nick Sinanis <u>Nick.Sinanis@itu.int</u>