



Bangaly Fodé TRAORE BR/TSD/BCD



Agenda



- ➤ Overview of BR International Frequency Information Circular (BRIFIC): software and database
- > Overview of BR online tools
 - Online Validation, eMIFR tools, WISFAT (official submission to the BR) for all terrestrial services
 - > The eBCD2.0 platform for broadcasting services
- Compatibility Analyses Display software (CA Display)

BR IFIC

For subscribers



BR International Frequency information Circular

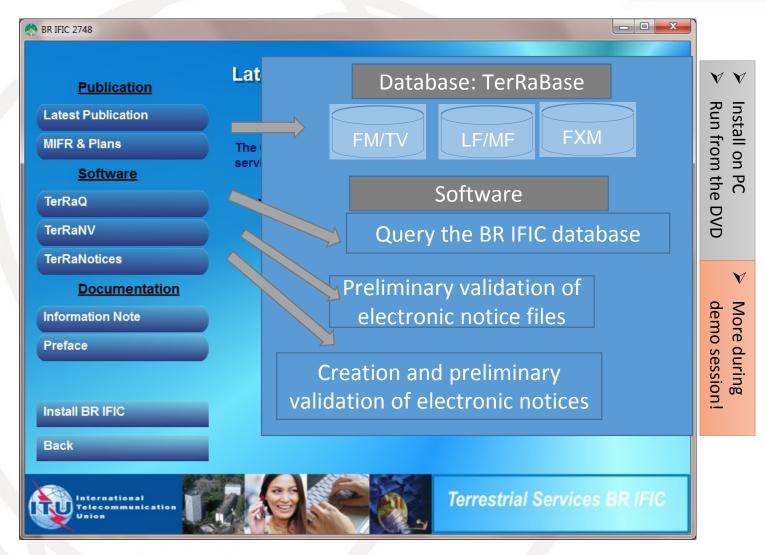
- ➤ Provide information on the frequency assignments and allotments recorded in the Master International Frequency Register and World-wide or Regional Plans, as well as on frequencies prescribed for common use.
- ➤ Published once every two weeks
- Arabic, Chinese, English, French, Russian and Spanish.

BR IFIC (Terrestrial Services)



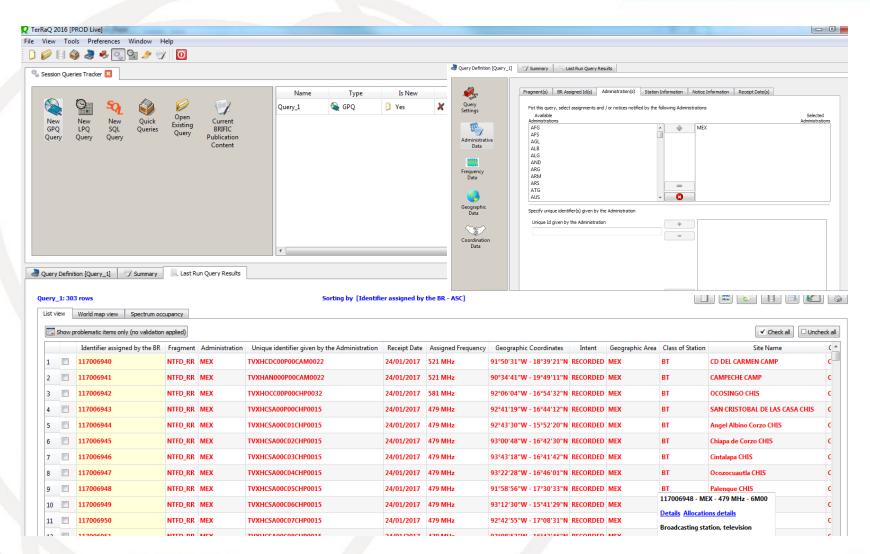
BR IFIC Contents







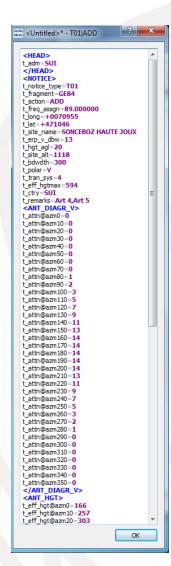
BR IFIC: TerRaQ

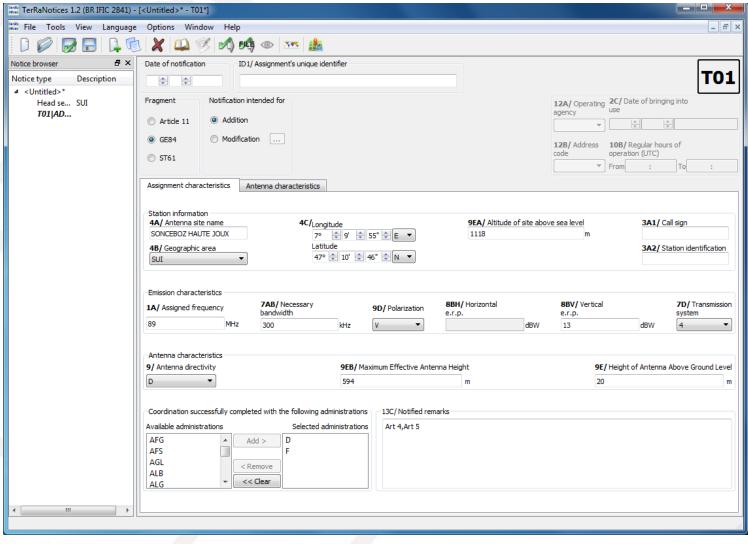


Notice file and TerRaNotices



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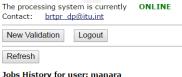




Online Validation



The Online Validation tool allows administrations to validate their notice file, before official submission via WISFAT



Reuses TerRaNotice validation software and eTools functionalities in a SOA architecture

Jobs History for user: manara

▼ Test Packages 31412: click to show all

Job summary Delete

job id	job name	job status
31412	ugatest	Completed

Job Input

Adm	E-notice file	Number of Notices
UGA	UGAtest.txt	1

Job Output

Parse status: T PARSE HAS WARNINGS Total number of errors: 4 Total number of warnings: 1 Notice 1 (Line 4) - GT1/MODIFY ine 4:DeepVal Warning - Could not perform further notices validation checking, due to previous errors. ine 1 (4) : Error : Either t_ref_plan_cfg OR t_sys_var & t_rx_mode should be submitted for this notice type. ine 17 (20): Error: t_ref_plan_cfg: invalid value or make sure that the value is typed correctly. ine 9 (12) : Error : t_site_nae : is EITHER not applicable in this case OR check the spelling. ine 1: Error: t_site_name: mandatory key missing or the associated key value is invalid

More during demo session!

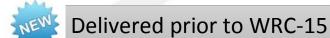
2016 Statistics



- 64 Administrations
- > 163 Users
- > > 4500 Validation jobs



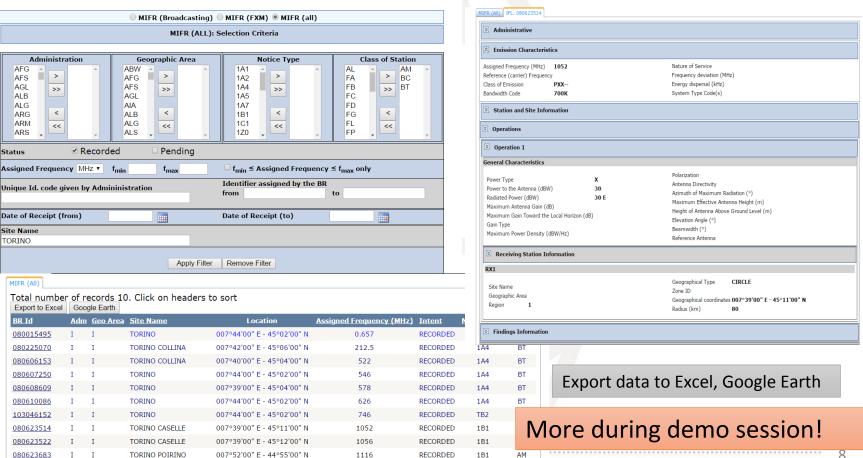






MIFR (Terrestrial Services) on-line query (BETA release)

Query system for the simultaneous retrieval of data from the terrestrial portion of the MIFR (FMTV, LFMF and FXM)



WISFAT



Web Interface for Submission of Frequency Assignments/allotments for Terrestrial Services

Submission of Notices for Terrestrial Services

YOU ARE HERE HOME > ITU-R > TERRESTRIAL SERVICES > TERRESTRIAL PUBLICATION AND REGISTRATION DIVISION > SUBMISSION OF NOTICES FOR TERRESTRIAL SERVICES

SHARE (1) (1) (1)



Submission of frequency assignment/allotment notices for terrestrial services to the BR for the update of the Master International Frequency Register (MIFR) and/or for the modification of Plans shall be made via the secured web interface WISFAT (Web Interface for Submission of Frequency Assignments/allotments for Terrestrial Services).

As stipulated in BR Circular-letter CR/297 dated 20 January 2009, only notices received via WISFAT, are considered as official submissions.

Access to this interface is restricted to registered notifiers, therefore administrations shall appoint notifier(s) for their administration and inform the BR by sending an official e-mail to brmail@itu.int giving the TIES username, name, position and official e-mail address.

Before submitting notices via WISFAT, administrations are strongly recommended to validate their submissions using the Online Validation tool. Please note that incomplete notices will be returned to the notifying administration in accordance with provision No. 11.27 of the Radio Regulations.

In addition, administrations are encouraged when submitting many files on the same day, to compress their files into one single file by using for example WinZip or WinRaR.

RELATED LINKS

CONTACT **PERSON**

Notification Tutorial

Guidance for notification for Terrestrial Services

Validation of Terrestrial Frequency **Assignment/Allotment Notices**

This tool is to assist administrations to validate their frequency assignment/allotment notices before their official submission via WISFAT.

How to use the online validation tool

Access to Online Validation

For Official Submission of notices

This web interface is accessible only to registered notifiers, having a TIES account.

- WISFAT Information document
- WISFAT Video example

Access to WISFAT

eBCD2.0 platform for broadcasting services



Portal description



Objectives

Bring the BR closer to Administrations with added-value services

- Up-to-date broadcasting data
- Special Section at publication date
- Calculation-on-demand
- Easily follow-up on plan modification procedures and related deadlines

Output



Outcome

- Reduce workload on both BR and administrations
- Reduce the need for printed documents



eQry

"Online search on the Plans"

GE06 ST61 GE75 G GE84 GE89 RJ81 P

Read-Only copy of BR
Database (Updated daily)

Search by:

- Administration
- Geographic Area
- Frequency
- Administration Unique Identifier
- BR Identification number
- Status (Recorded/Published)
- Site/Allotment name

ePub

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"Special Sections, the publication day!"



Database Snapshots at publication date

Search by:

- BR IFIC number
- Administration
 - My notifications
 - Notifications which affects me

RRS-17 - Africa 27-31 March 2017

11

"On-demand test calculations"

eTools



2016 statistics

More than **2000 jobs** run by **188** users from **88 Administrations**

Calculation Type

GE06D Plan Modification

GE06D Compatibility Analyses

GE84 Compatibility Analyses

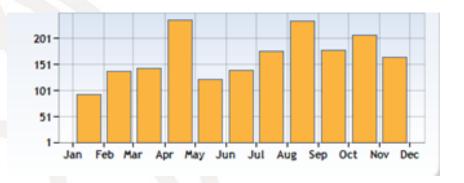
CA Compatibility Analyses



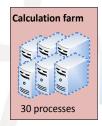
RJ81 Plan modification and what-if studies

ITU-R P.1812 v4 & P.1546 v5





Back-end infrastructure



ITU internal farm: 30 processes distributed in such a way to minimize waiting time.

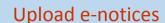


eTools: e-notice submission

GE06, RJ81, CA Compatibility

GE84





Multiple files from different administrations.

Validate e-notice files

The Online Validation (reuse TerRaNotices software in a SOA architecture) was integrated for GE84 calculation. Integration planned also for GE06, RJ81 and the CA compatibility software



The ITU distributed processing infrastructure will treat your test submission and inform you at completion!



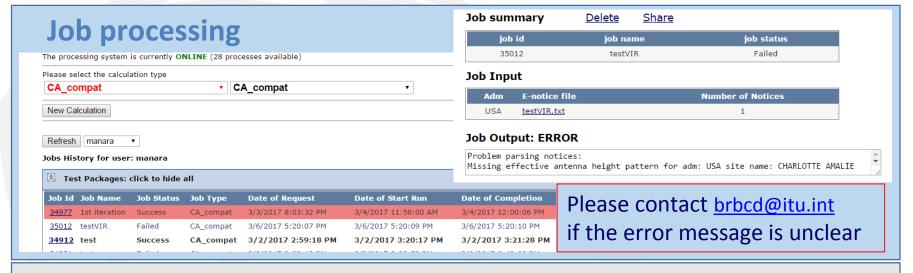
Complete submission

Check your TIES account!

yourTIESname@ties.itu.int

eTools: job processing, privacy and collaboration





Privacy and collaboration

Jobs (e-notice and results) are owned and visible ONLY by submitter...BUT...

... facilitate coordination!

...you can now share them with other eBCD registered users! (web2.0)



Around **200 jobs** shared by **72 users** from **45 Administrations**



eTools: ITU-R P series calculations



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P.1546-5(09-13)

Beta Release!

P.1812-4((07-15)) Beta Release!

Propagation prediction using terrain profile (deterministic model)

- 30 MHz 3 GHz
- 0.25 km 3000 km
- > 1% < time < 50%
- > 1% < locations < 99%
- Rx and Tx hgt agl <= 3km

SRTM3 terrain database 3 arc-sec resol. (90 m) Planned to move to 1 arc-sec (30m) early 2017



- 1 km 1000 km
- > 1% < time < 50%
- > 1% < locations < 99%
- > TX eff hgt <= 3km

Terrain database can be used (clearance angle correction) to improve accuracy





Broadcasting

More during demo session!





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Thank you!

Further info:

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