



AFRICAN TELECOMMUNICATIONS UNION
UNION AFRICAINE DES TÉLÉCOMMUNICATIONS

Online Meeting

1st frequency coordination meeting on GE84 Plan Optimization for Africa
Première réunion de coordination des fréquences sur l'optimisation du Plan GE84 pour l'Afrique
15 - 19 February 2021



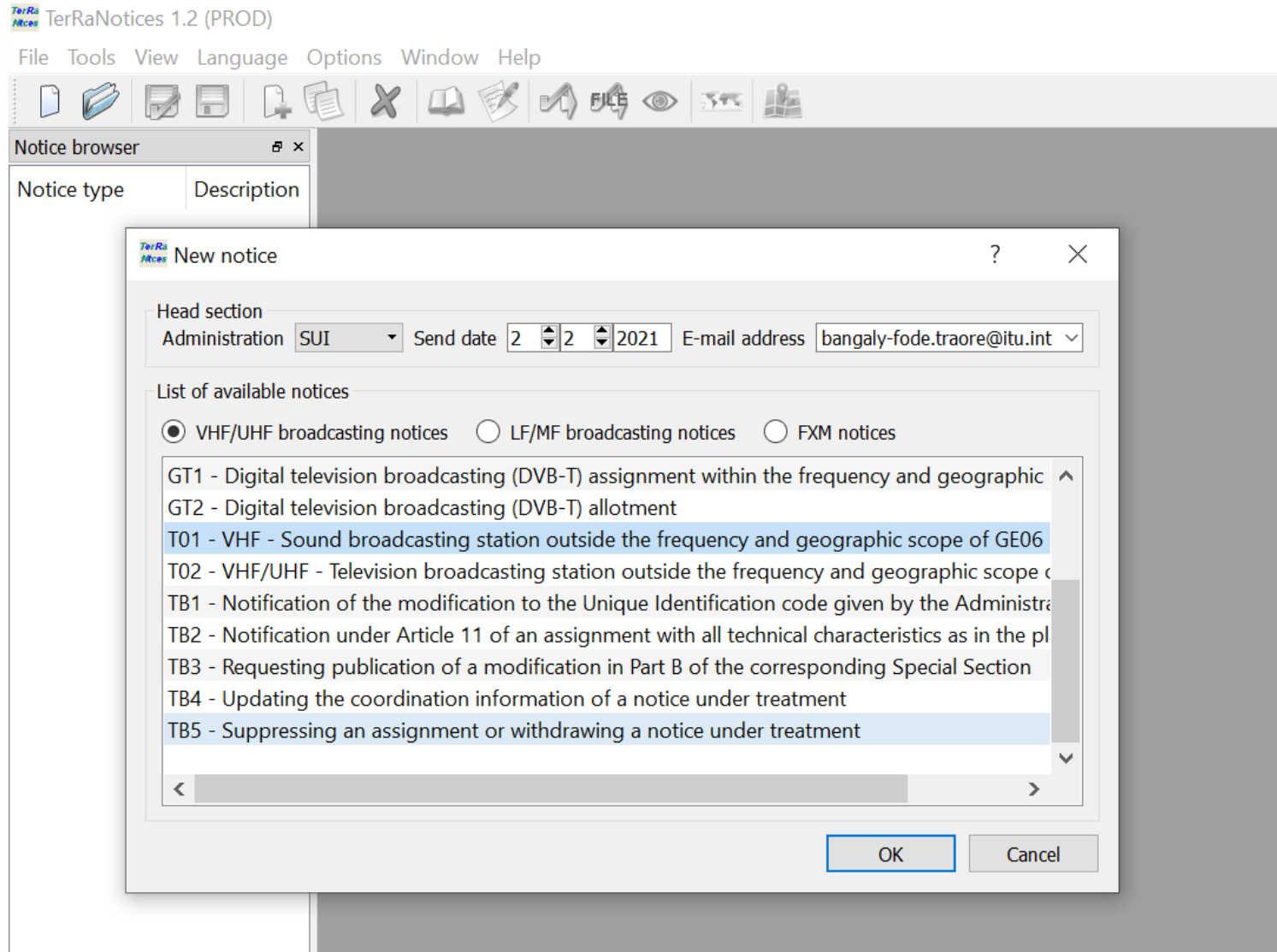
Tools for preparation and Validation of requirements

By **Bangaly Fodé TRAORE**
Broadcasting Services Division
ITU/BR/TSD

www.itu.int/go/GE84OptimizationPlanforAfrica

GE84 electronic notices Creation

1. TERRANOTICES



The screenshot displays the TerRaNotices 1.2 (PROD) application window. The main window has a menu bar with 'File', 'Tools', 'View', 'Language', 'Options', 'Window', and 'Help'. Below the menu bar is a toolbar with various icons for file operations and navigation. A 'Notice browser' pane is visible on the left, showing a table with columns for 'Notice type' and 'Description'. Overlaid on this is a 'New notice' dialog box. The dialog box contains the following fields and options:

- Head section:** Administration (SUI), Send date (2/2/2021), E-mail address (bangaly-fode.traore@itu.int)
- List of available notices:** Radio buttons for VHF/UHF broadcasting notices (selected), LF/MF broadcasting notices, and FXM notices.
- Notice list:** A scrollable list of notice types, including GT1, GT2, T01, T02, TB1, TB2, TB3, TB4, and TB5. T01 and TB5 are highlighted.
- Buttons:** OK and Cancel buttons at the bottom right.

GE84 electronic notices Creation

1. TERRANOTICES

- Create the electronic notice file

TerRaNotices 1.2 (PROD) - [<Untitled>* - T01*]

File Tools View Language Options Window Help

Notice browser: Notice type Description
 <Untitled>*
 Head se... SUI - 01/02/
T01|AD...

Date of notification: 1 2 2021
 ID1/ Unique identification code given by the Administration to the assignment:

Fragment: Article 11 Addition Modification
 GE84 ST61

12A/ Operating agency: 2C/ Date of bringing into use:

12B/ Address code: 10B/ Regular hours of operation (UTC): From 00:00 To 24:00

Assignment characteristics Antenna characteristics

Station information
 4A/ Antenna site name: 4B/ Geographic area: SUI
 4C/ Longitude: E Latitude: N
 9EA/ Altitude of site above sea level: m
 3A1/ Call sign:
 3A2/ Station identification:

Emission characteristics
 1A/ Assigned frequency: MHz
 7AB/ Bandwidth: kHz
 7D/ Transmission system:
 9D/ Polarization: H
 8BH/ Horizontal e.r.p.: dBW
 8BV/ Vertical e.r.p.: dBW

Antenna characteristics
 9/ Antenna directivity: ND
 9EB/ Maximum Effective Antenna Height: m
 9E/ Height of Antenna Above Ground Level: m

7 fields are invalid !
 Antenna site name
 Geographical coordinates
 Assigned frequency

Coordination successfully completed with the following administration:
 BEL Add > BEN
 BGD < Remove BFA
 DLPD << Clear

13C/ Notified remarks:

T01



GE84 electronic notices Creation

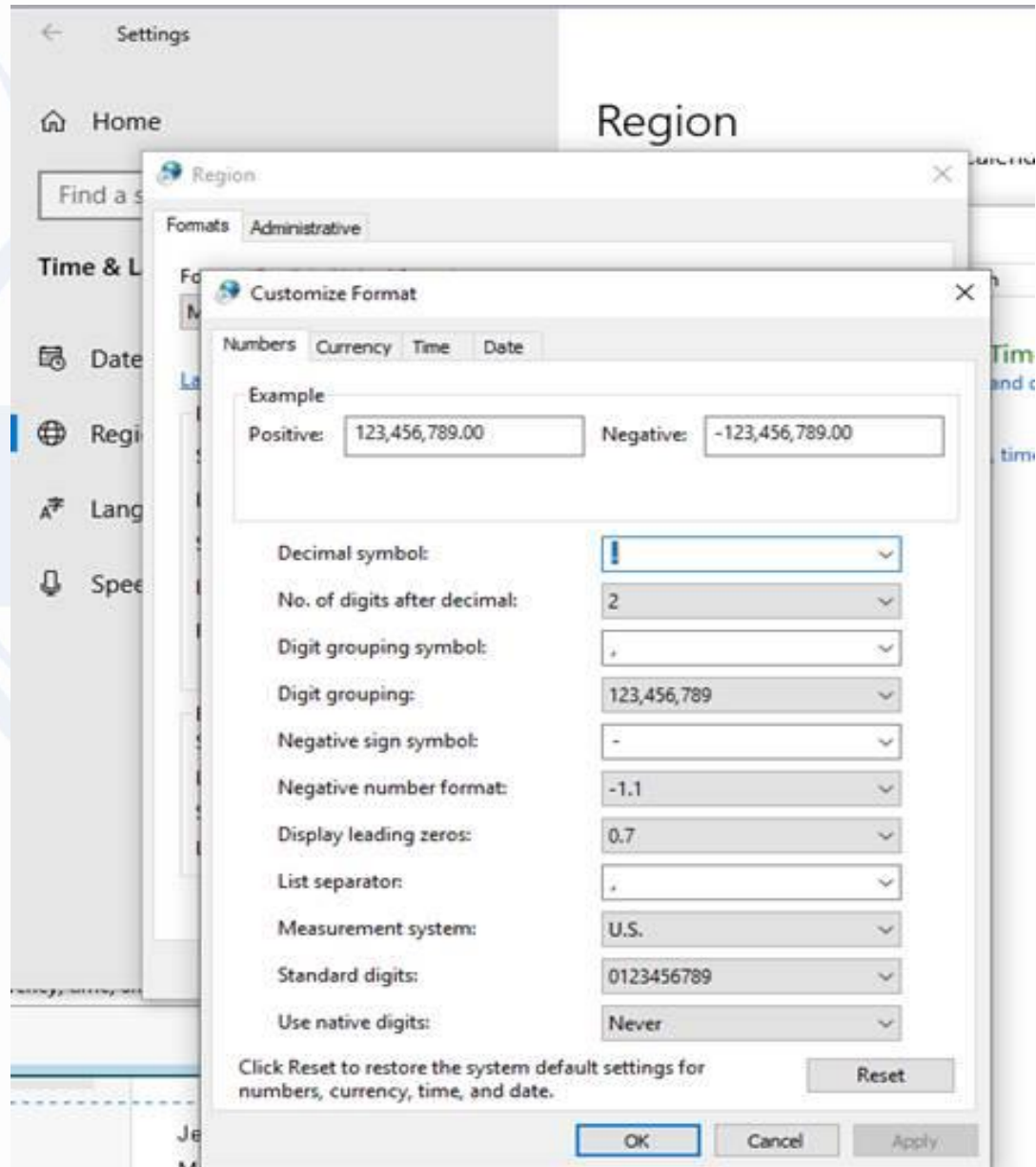
1. TERRANOTICES

- Regional settings

If TerRaNotices does not accept the comma in your configuration, go to your computer's control panel and change the regional options to replace the comma with the decimal point as follows:

GE84 electronic notices Creation

- 1. TERRANOTICES
- Regional settings



GE84 electronic notices Creation

1. TERRANOTICES

- Addition of coordination information:

In this notice file, you can record affected administrations that have given their agreement to the proposed modification in process by filling in the box of *Coordination successfully completed*.

Antenna characteristics

9/ Antenna directivity

ND

9EB/ Maximum Effective Antenna Height

m

Coordination successfully completed with the following available administration/selected administration:

BEL	▲	Add >	BEN
BGD	■	< Remove	BFA
BLD	▼	<< Clear	

13C/ Notified remarks

GE84 electronic notices Creation

1. TERRANOTICES

- - Extract the notice from the BR IFIC by making the desired modification

(to add notices in the same file, “Drag & paste”)

Search a notice in the database

Domain: FM/TV | Fragment: | Notices / Recorded: | Assignments/Allotments: Assignments and Allotments

Administration: SUI | BR IDs:

Unique identifier given by the Administration: | Add > | < Remove | << Clear

Frequency: From: | MH | To: | MH | Date of reception: From: 01 Jan 1950 | To: 01 Feb 2021

Notice type: 1A4 | 1A5 | 1A6 | BC6 | Add > | < Remove | << Clear

Class of station: BT | Add > | BC | < Remove | << Clear

Only Inside ITU

Do not consider the fragments: exGE89, exST61, exGE06A

View SQL query | OK | Cancel

GE84 electronic notices Creation

1. TERRANOTICES

- **Suppression/Withdrawal of an assignment (TB5)**

For the suppression of an assignment recorded in the Plan or the withdrawal of one under treatment, the electronic notice created is TB5

- In **TerRaNotices** Tools we select *Genetate Suppression/Whithdrawal notices*

GE84 electronic notices Creation

1. TERRANOTICES

Generate Suppression/Withdrawal notices

Domain: FM/TV | Fragment: GE84 | Notices / Recorded: | Assignments/Allotments: Assignments only

Administration: SUI | BR IDs:

Unique identifier given by the Administration: | Add > | < Remove | << Clear

Frequency: From: | MH | To: | MH | Date of reception: From: 01 Jan 1950 | To: 01 Feb 2021

Notice type: 1A4 | 1A5 | 1A6 | BC6 | Add > | < Remove | << Clear

Class of station: BT | Add > | BC | < Remove | << Clear

Only Inside ITU: **Do not consider the fragments: exGE89, exST61, exGE06A**

View SQL query | OK | Cancel

GE84 electronic notices Creation

2. eTERRESTRIAL

Input data

The electronic notice file can be created using the tools ***eQry*** or ***myAdmin*** on **eBoadcasting** which are on the page (one file per task):

<https://www.itu.int/ITU-R/eTerrestrial/eBroadcasting>

GE84 electronic notices Creation


2. eTERRESTRIAL

- eQry

- . Define the selection criteria (a single administration)
- . Click the *Apply Filter* button to display the summary list and select the notice to analyze
- . Click the button *Generate e-notices* (export in SGML format).

GE84 electronic notices Creation

2. eTERRESTRIAL

 eQuery: Queries on broadcasting plans

GE06D GE06L GE89 GE84 ST61 RJ81 GE75

Selection Criteria

Administration | Geographic Area | Notice Type

Administration

→ → → ← ← ←

- AFG
- AFS
- AGL
- ALB
- ALG
- AND
- ARM
- ARS
- AUT
- AZE
- RDT

Status

Recorded Published Unpublished

Frequency (MHz) To

Unique Id. code given by Administration Identifier assigned by the BR

Sitename

GE84 electronic notices Creation

2. eTERRESTRIAL

- **myAdmin**

- . Select the administration and the GE84 fragment
- . Click on the number of notices corresponding to the group of records of interest

GE84 electronic notices Creation

2. eTERRESTRIAL



MyAdmin: Virtual ITU broadcasting office (open 24/7)



Recorded Assignments	2078
Notices under treatment	110
Notices under treatment receiving objection	109
Notices under treatment which affect me	2754
Notices under treatment which affect me I objected to	212
Comments given in the last period (30 days)	5
Comments received in the last period (30 days)	1

GE84 electronic notices Creation

2. eTERRESTRIAL

When the summary list appears, it is possible to refine the selection criteria by checking the box *Use Filter*.

- . Select the notice to modify.
- . Click the button *Generate e-notices* (export in SGML format).

Use filter

GE84/ALG

Export to Excel
Export to PDF
Google Earth
Generate e-notices (Export to SGML)
Print

Search:

BR Id	Adm	Site Name	Assigned Frequency	Intent	Special Section	End Date(Comments)	Coord Completed	ObjectionBy	Coord Required
112062351	ALG	GROUN	93	ADD	297	20 May 2021	E MRC TUN		E MRC TUN
111119177	ALG	MAHOUNA	104.7	ADD	289		CVA E F MCO MLT	TUN	CVA E F I LBY MCO MLT TUN
118102682	ALG	ALI NESS	102.9	ADD	272		E	TUN	E I LBY TUN
118102683	ALG	ALI NESS	106.5	ADD	272		E	TUN	E I LBY TUN
118102684	ALG	ALI NESS	89.8	ADD	272		E	TUN	E I LBY TUN
118102685	ALG	ALI NESS	92.9	ADD	272		E	TUN	E I LBY TUN
118102686	ALG	ALI NESS	96.1	ADD	272		E	TUN	E I LBY TUN
118102687	ALG	ALI NESS	99.4	ADD	272		E	TUN	E I LBY TUN
118102688	ALG	ANNABA	102.3	ADD	272		E	TUN	E I TUN
118102689	ALG	ANNABA	105.9	ADD	272		E	TUN	E I TUN
118102690	ALG	ANNABA	89.2	ADD	272		E	TUN	E I TUN
118102691	ALG	ANNABA	92.3	ADD	272		E	TUN	E I TUN
118102692	ALG	ANNABA	95.5	ADD	272		E	TUN	E I TUN
118102693	ALG	ANNABA	98.8	ADD	272		E	TUN	E I TUN

GE84 electronic notices Creation

2. eTERRESTRIAL

When the notices file is ready, an electronic message is sent to the user's mailbox (TIES) and the generated notices file is available for download from eTools (*Generate notices* option).

Validation of GE84 electronic notices

3. Online Validation Tool

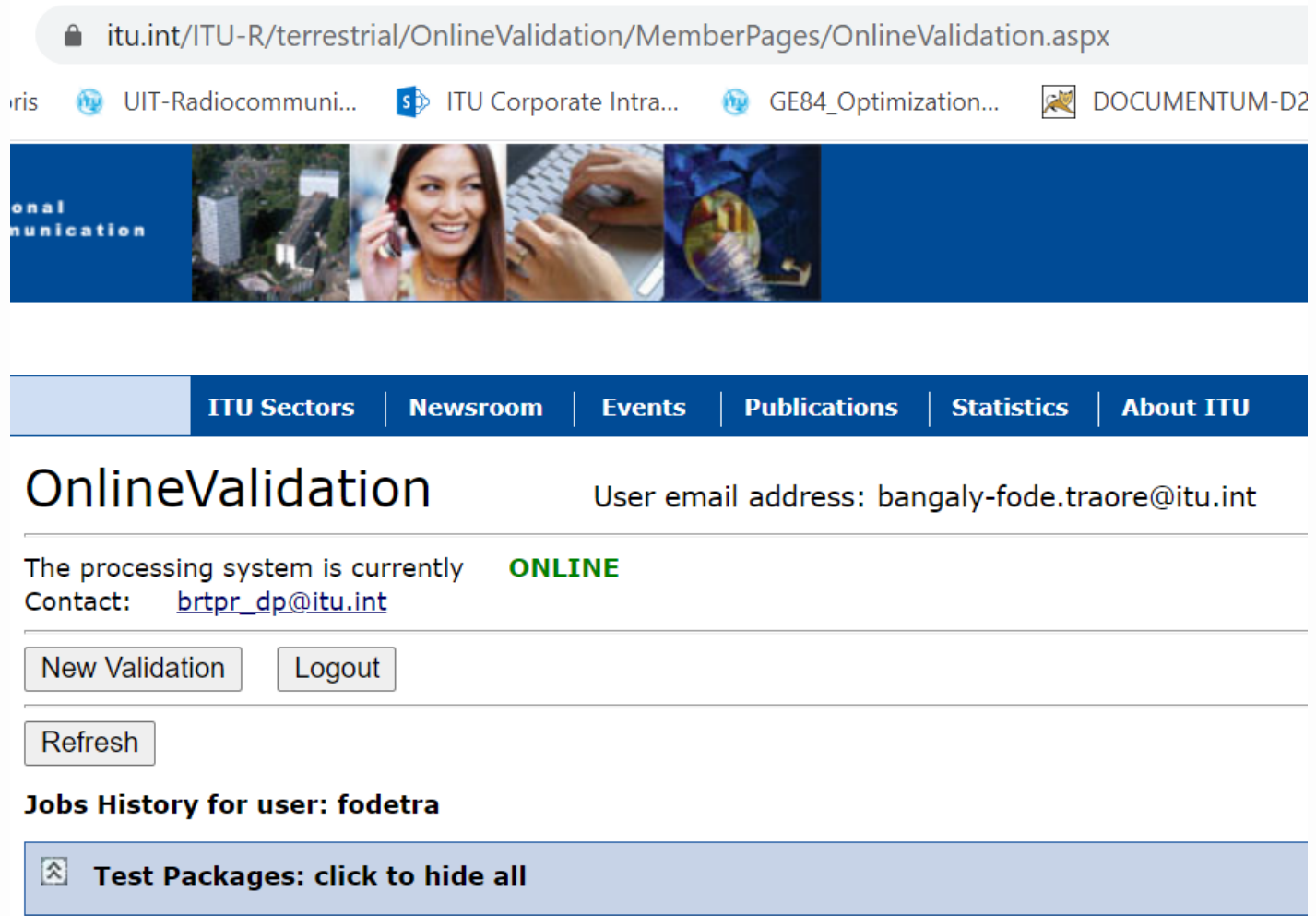
Validate the electronic notice file with Online validation on:

<https://www.itu.int/ITU-R/terrestrial/OnlineValidation/MemberPages/OnlineValidation.aspx>

Validation of GE84 electronic notices

3. Online Validation Tool

- Click on *New validation*

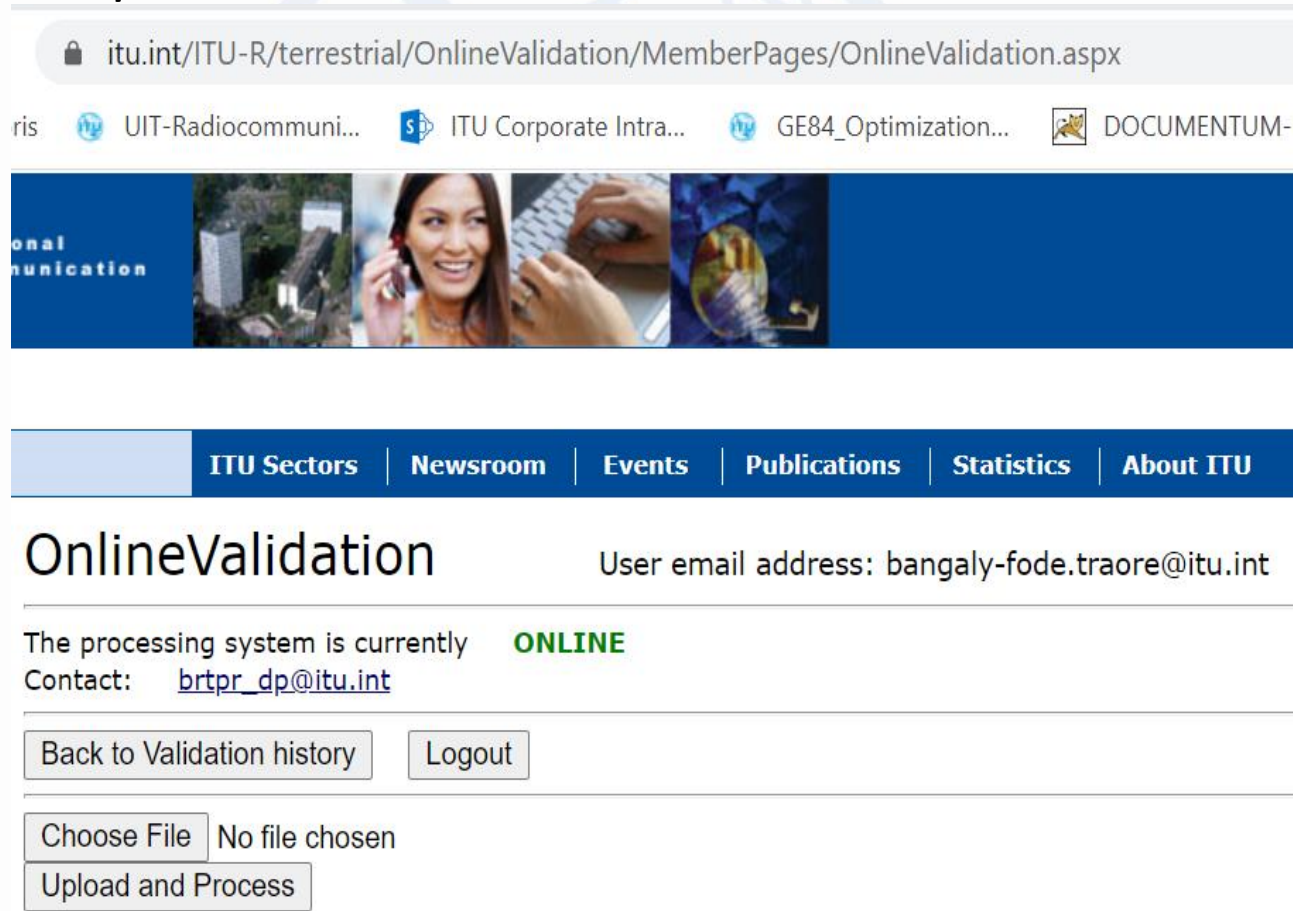


The screenshot shows a web browser window with the URL `itu.int/ITU-R/terrestrial/OnlineValidation/MemberPages/OnlineValidation.aspx`. The browser's address bar and tabs are visible. The page header includes a navigation menu with links for [ITU Sectors](#), [Newsroom](#), [Events](#), [Publications](#), [Statistics](#), and [About ITU](#). The main content area displays the title **OnlineValidation** and the user's email address: `bangaly-fode.traore@itu.int`. Below this, a status message indicates that the processing system is currently **ONLINE**. The contact information is listed as `brtpr_dp@itu.int`. There are two buttons: **New Validation** and **Logout**. A **Refresh** button is also present. The **Jobs History for user: fodetra** section is visible, with a button to **Test Packages: click to hide all**.

Validation of GE84 electronic notices

3. Online Validation Tool

- Click on *Choose File* to select the file to validate
- Click on *“Upload and Process”*



The screenshot shows the web interface for the ITU Online Validation tool. The browser address bar displays the URL: `itu.int/ITU-R/terrestrial/OnlineValidation/MemberPages/OnlineValidation.aspx`. The page header includes navigation links for "UIT-Radiocommuni...", "ITU Corporate Intra...", "GE84_Optimization...", and "DOCUMENTUM-". Below the header is a banner image featuring a woman on a mobile phone and a globe. A dark blue navigation bar contains the following menu items: "ITU Sectors", "Newsroom", "Events", "Publications", "Statistics", and "About ITU". The main content area is titled "OnlineValidation" and shows the user's email address as "bangaly-fode.traore@itu.int". A status message indicates "The processing system is currently **ONLINE**". The contact information is "Contact: brtpr_dp@itu.int". Below this, there are two buttons: "Back to Validation history" and "Logout". At the bottom, there is a "Choose File" button followed by the text "No file chosen", and an "Upload and Process" button.

Validation of GE84 electronic notices

3. Online Validation Tool

- The task is now sent for validation. You can click *New Validation* again to submit another file or click *Back to Validation history* to see the validation result.

Validation of GE84 electronic notices

3. Online Validation Tool

itu.int/ITU-R/terrestrial/OnlineValidation/MemberPages/OnlineValidation.aspx

UIT-Radiocommuni... ITU Corporate Intra... GE84_Optimizati... DOCUMENTUM-D2 CRM-Administratio... eTerrestrial_INT

onal
munication

ITU Sectors | Newsroom | Events | Publications | Statistics | About ITU

OnlineValidation

User email address: bangaly-fode.traore@itu.int

The processing system is currently **ONLINE**
 Contact: brtpr_dp@itu.int

The following package has been uplodaded. You will receive an E-mail notification at bangaly-fode.traore@itu.int when the VALIDATION completes

Job summary [Cancel job](#)

job id	job name	job status
89714	bhr_isa town_104.5 mhz	Pending

Job Input

Adm	E-notice file	Number of Notices
BHR	BHR_ISA TOWN_104.5 MHz.txt	1

Validation of GE84 electronic notices



3. Online Validation Tool

- You can click *Back to Validation history* to see the processing progress. Once the validation is complete, click on *Job ID (View Results)*, you will also receive an email in your TIES account notifying you of the availability of the result.

Validation of GE84 electronic notices

3. Online Validation Tool

itu.int/ITU-R/terrestrial/OnlineValidation/MemberPages/OnlineValidation.aspx

UIT-Radiocommuni... ITU Corporate Intra... GE84_Optimization... DOCUMENTUM-D2 CRM-Administratio... eTerrestrial_INT eBroadcasting

onal
unication

ITU Sectors | Newsroom | Events | Publications | Statistics | About ITU

OnlineValidation

User email address: bangaly-fode.traore@itu.int

The processing system is currently **ONLINE**
 Contact: brtpr_dp@itu.int

Jobs History for user: fodetra

Job Id	Filename	Job Status	Date of Request	Date of Completion	Elapsed Time (minutes)
89714 (View Results)	bhr_isa town_104.5 mhz	Completed	01/02/2021 15:40:20	01/02/2021 15:40:49	0

Validation of GE84 electronic notices

3. Online Validation Tool

- The notice thus created and validated can now be submitted to *eTools* tools in *eBroadcasting* for optimization and/or compatibility analyzes for GE84.



Thank you for your attention

brbcd@itu.int