

**ITUWRS**  
GENEVA2024

2-6 December 2024  
Geneva, Switzerland



# ITU World Radiocommunication Seminar

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## Plateforme e-Terrestrial

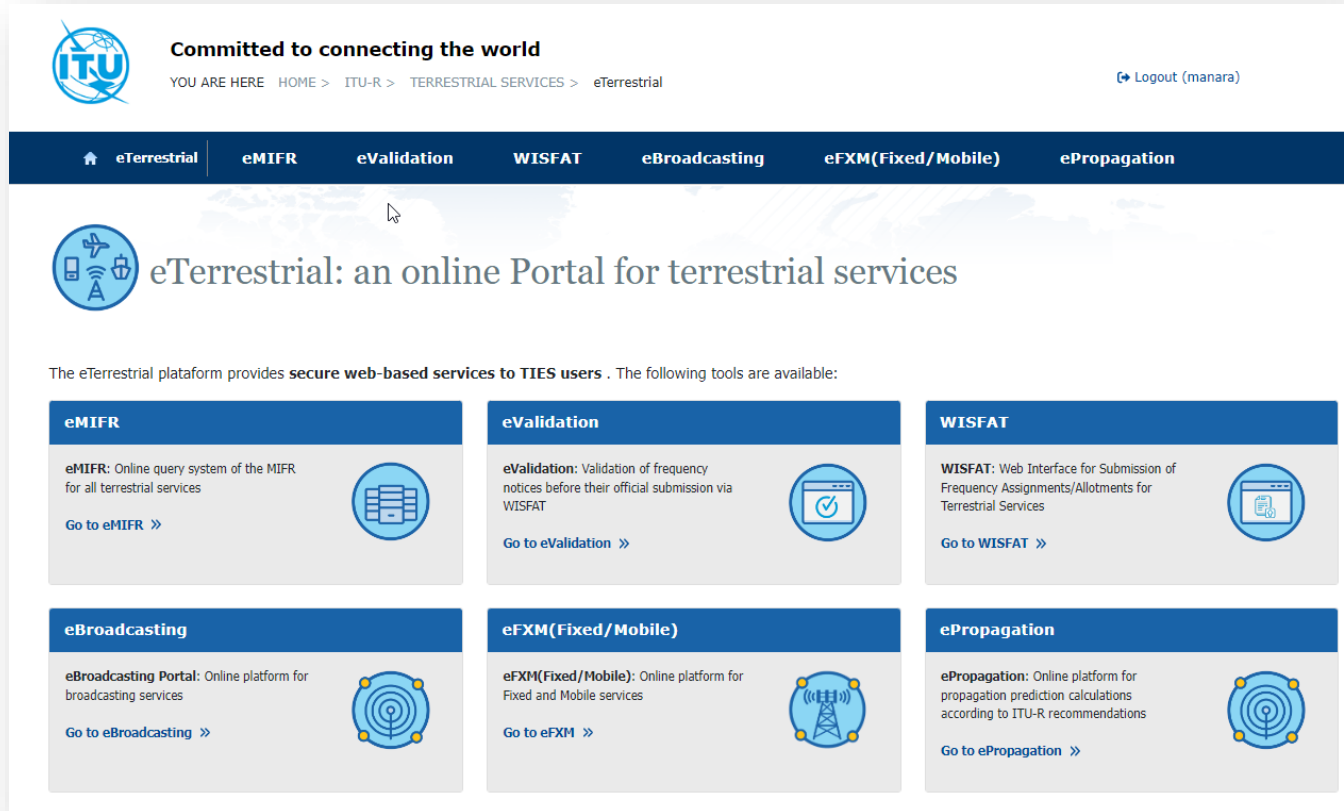
Outils en ligne pour les services terrestres

2-6 décembre 2024, Genève, Suisse



- **Plateforme eTerrestrial intégrée**
- **Plateforme eBroadcasting pour les services de radiodiffusion**
  - eQuery, ePub, eTools, myAdmin
- **eMIFR, ePropagation pour tous les services de terre**
- **Orientations futures**
- **Exercices**

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



The screenshot shows the homepage of the eTerrestrial portal. At the top left is the ITU logo with the tagline "Committed to connecting the world". Below it is a breadcrumb trail: "YOU ARE HERE HOME > ITU-R > TERRESTRIAL SERVICES > eTerrestrial". On the top right is a "Logout (manara)" link. A dark blue navigation bar contains the following menu items: "eTerrestrial", "eMIFR", "eValidation", "WISFAT", "eBroadcasting", "eFXM(Fixed/Mobile)", and "ePropagation". The main heading is "eTerrestrial: an online Portal for terrestrial services" accompanied by an icon of a smartphone, an airplane, and a radio tower. Below this, a paragraph states: "The eTerrestrial platform provides secure web-based services to TIES users . The following tools are available:". This is followed by six service cards arranged in a 2x3 grid. Each card has a blue header with the service name, a description, a "Go to" link with a right-pointing arrow, and a circular icon representing the service.

**Committed to connecting the world**

YOU ARE HERE HOME > ITU-R > TERRESTRIAL SERVICES > eTerrestrial

Logout (manara)

eTerrestrial eMIFR eValidation WISFAT eBroadcasting eFXM(Fixed/Mobile) ePropagation

**eTerrestrial: an online Portal for terrestrial services**

The eTerrestrial platform provides secure web-based services to TIES users . The following tools are available:

- eMIFR**: Online query system of the MIFR for all terrestrial services. Go to eMIFR >>
- eValidation**: Validation of frequency notices before their official submission via WISFAT. Go to eValidation >>
- WISFAT**: Web Interface for Submission of Frequency Assignments/Allotments for Terrestrial Services. Go to WISFAT >>
- eBroadcasting**: Online platform for broadcasting services. Go to eBroadcasting >>
- eFXM(Fixed/Mobile)**: Online platform for Fixed and Mobile services. Go to eFXM >>
- ePropagation**: Online platform for propagation prediction calculations according to ITU-R recommendations. Go to ePropagation >>

## Historique

- **2006: eBCD2.0 publié pour RRC06 eQuery/ePub GE06**
- **2007: eTools GE06 Art.4 Coordination/Conformité**
- **2008: myAdmin. Extension des outils à tous les plans de radiodiffusion**
- **2014: Validation en ligne**
- **2015: eMIFR**
- **2016: Correspondence sortante dans myAdmin (Points Focaux). eMIFR. Compatibilité GE84.**
- **2017: CA\_Compact**
- **2018: P1812 P2A couvertures**
- **2020: Optimisation GE84**
- **2022: eTerrestrial**
- **2022: CAC List display**



eTerrestrial: an online Portal for terrestrial services

## Nouvelle version pour WRS-24



- **Nouveaux outils eFXM**
  - myAdminFXM
- **eBroadcasting**
  - **Integration eHFBC**
- **ePropagation**
  - P1546 Multipoint2Point
- **myAdmin**
  - **Integration de correspondance entrante pour les commentaires de GE84**
- **Nouvelle bibliothèque de cartes.**
- **Dernières technologies**
  - **Design plus moderne et meilleure expérience utilisateur**
  - **Design réactif sur tous les appareils.**



## Objectifs

Rapprocher le BR des Administrations avec des services à valeur ajoutée:

- Données des services de radiodiffusion à jour
- Section spéciale à la date de publication
- Calculs à la demande
- Suivi facile des procédures de modification des plans et des délais associés

## Résultats

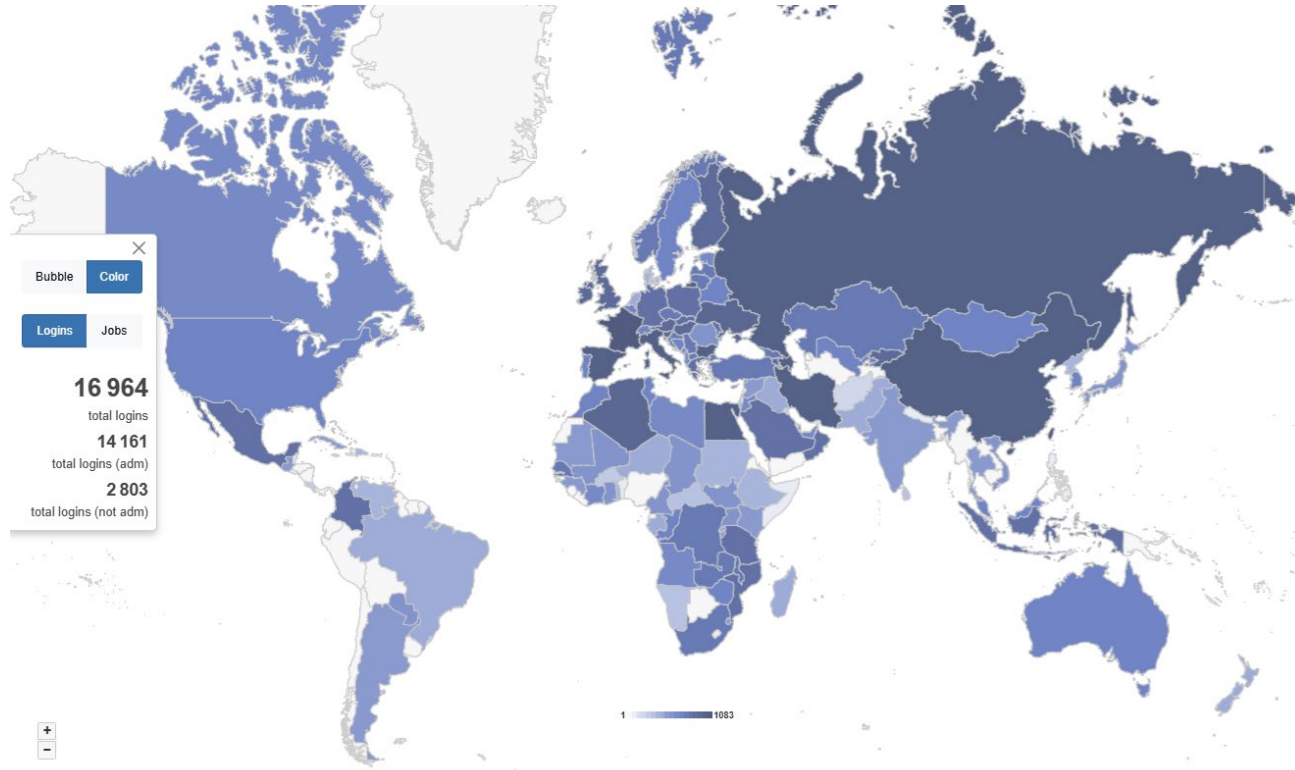
- Réduire la charge de travail du BR et des administrations
- Réduire le besoin de documents imprimés

## Output



|   |  |
|---|--|
| <b>eQuery</b> (All TIES users)                    | <p>eQuery allows fast online searches on broadcasting plans. It allows performing queries on quasi-live databases (updated daily), including the current status and coordination information.</p> <p><a href="#">Go to eQuery &gt;&gt;</a></p>                             |
| <b>ePub</b> (All TIES users)                      | <p>ePub contains the broadcasting publication online. It allows administrators to consult Special Sections as soon as they are published. All broadcasting publications since 2007 are available.</p> <p><a href="#">Go to ePub &gt;&gt;</a></p>                           |
| <b>eTools</b> (All TIES users)                    | <p>eTools offers calculation on-demand in the scope of the GE06, GE84 and R381 agreements for testing purposes.</p> <p><a href="#">Go to eTools &gt;&gt;</a></p>   |
| <b>My Admin</b> (Administration Focal Point ONLY) | <p>MyAdmin is the virtual ITU Broadcasting Office (open 24/7) allowing administration to visualize relevant notices and recorded assignment for an easy follow-up of plan modification procedures and related deadlines.</p> <p><a href="#">Go to myAdmin &gt;&gt;</a></p> |

|                          |  |
|--------------------------|--|
| <b>eHFBC</b> (All users) | <p>The eHFBC platform provides online access to the HFBC Publications and HFBC reference data, as well as the tools to generate and validate HFBC requirement files before submission to the ITU</p> <p><a href="#">Go to eHFBC &gt;&gt;</a></p> |
|--------------------------|--|

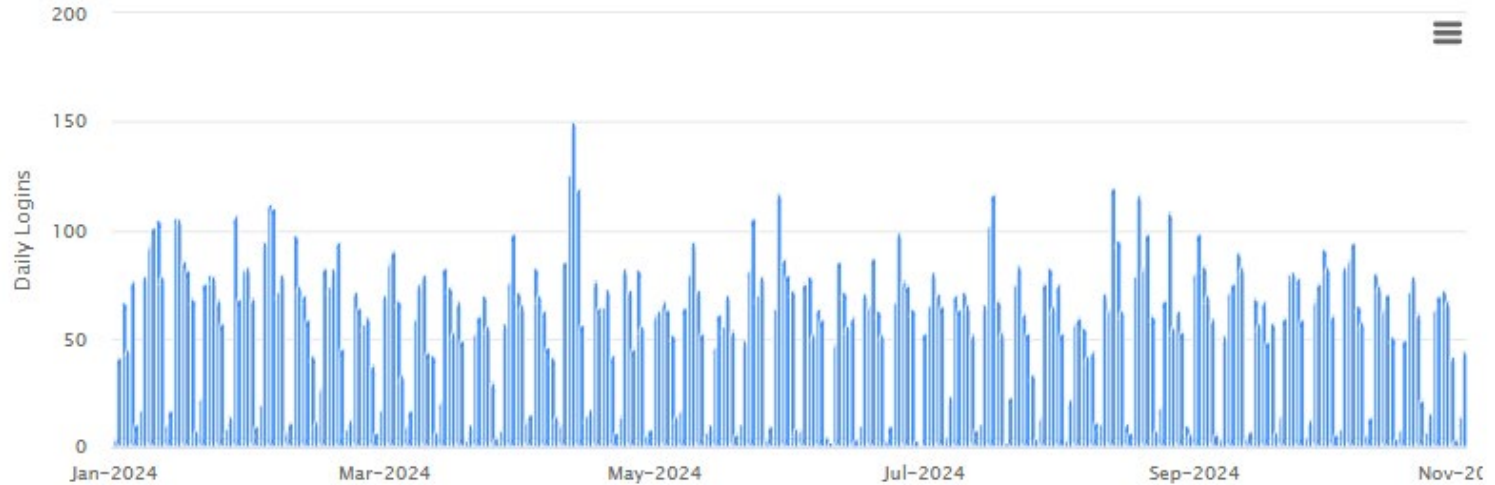


2024 statistics



Events

### Logins Trend (Daily)





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

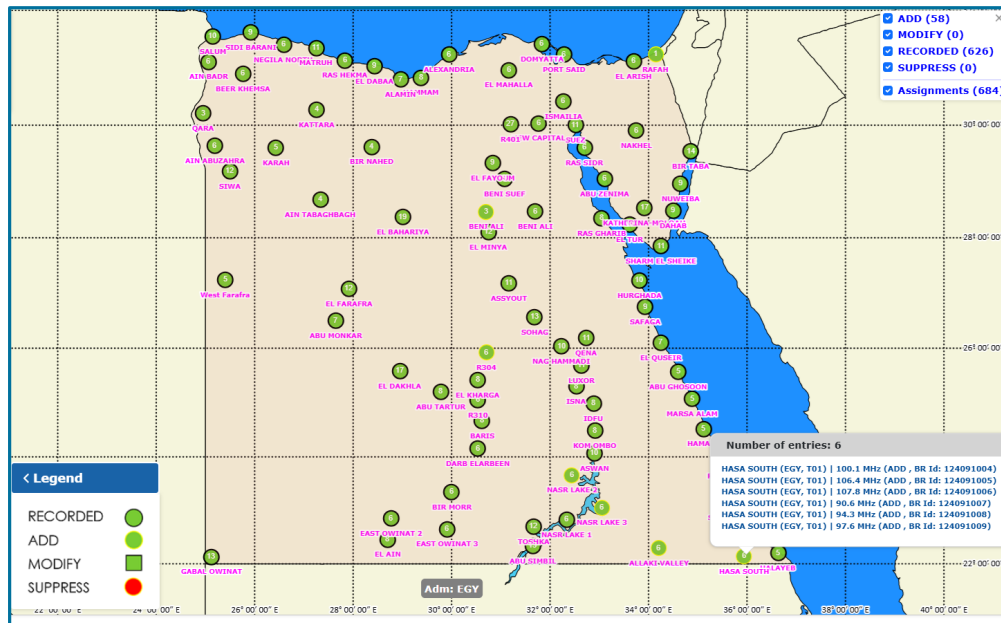
CAC GE06 ST61 GE7 GE06  
GE84 GE8 RJB1 GE06

9

Version Read-Only de la base des données du BR  
(mise à jour journalière)

Recherche par :

- Code d'administration
- Zone géographique
- Fréquence
- Identificateur unique de l'administration
- Numéro d'identification du BR
- Statut (enregistré/publié)
- Nom de site



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

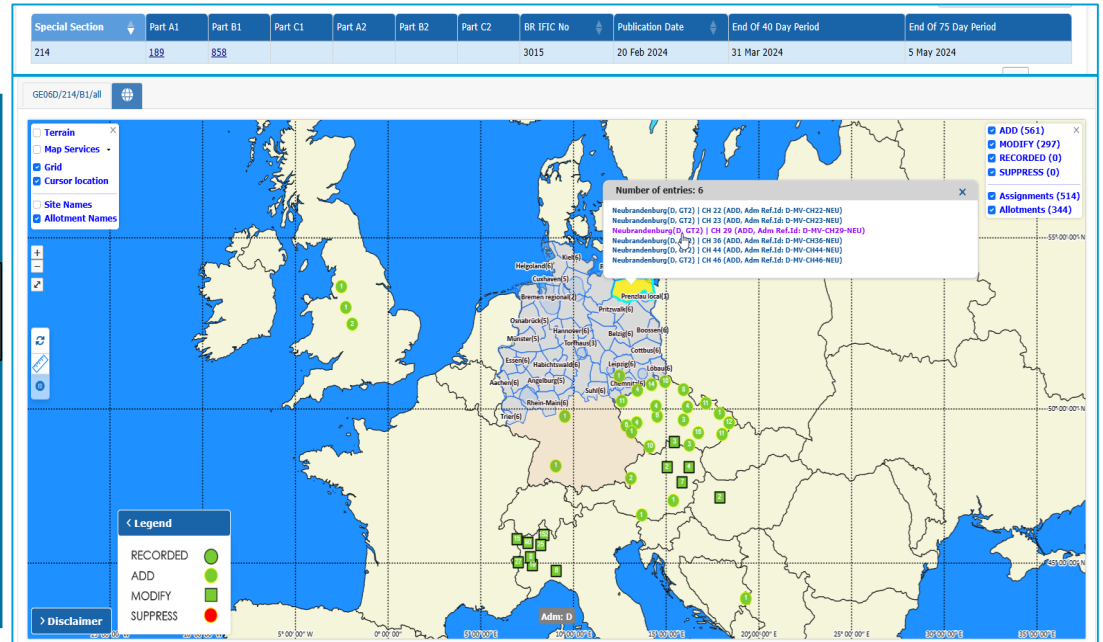
GE06 ST61 GE75 GE08  
GE84 GE89 RJ81

MIR  
FMT  
V  
G

Instantanée de la base de données  
du jour de la Publication

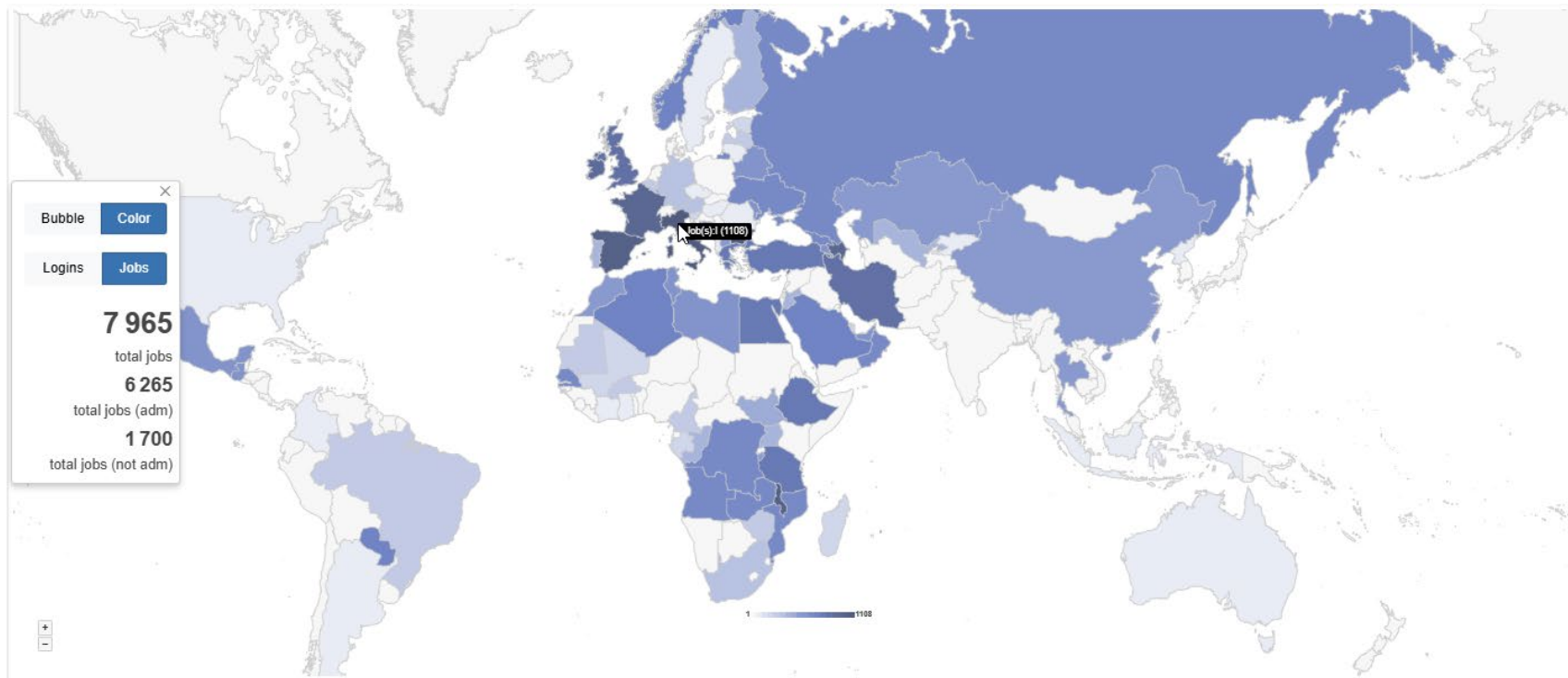
Recherche par :

- Numéro de BRIFIC
- Code de l'administration
- Mes notifications
- Notifications qui m'affectent



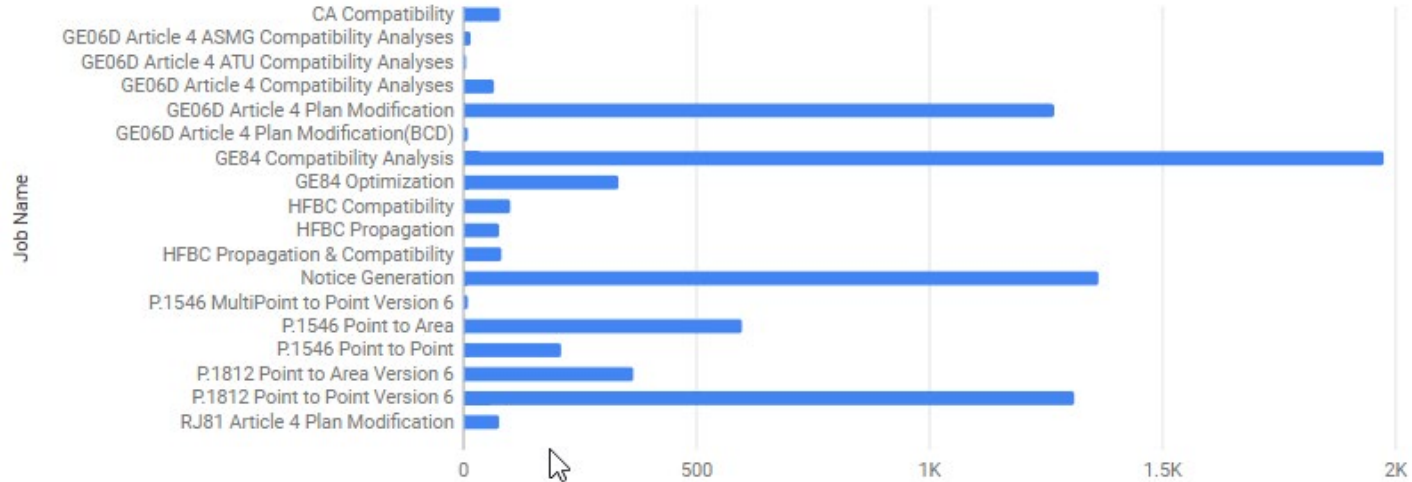
Toutes les Section spéciale pour les plans de radiodiffusion depuis 2007

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



2024 statistics


### Jobs (By Type)



### Jobs Trend (Monthly)



**Calculation farm**



30 processus

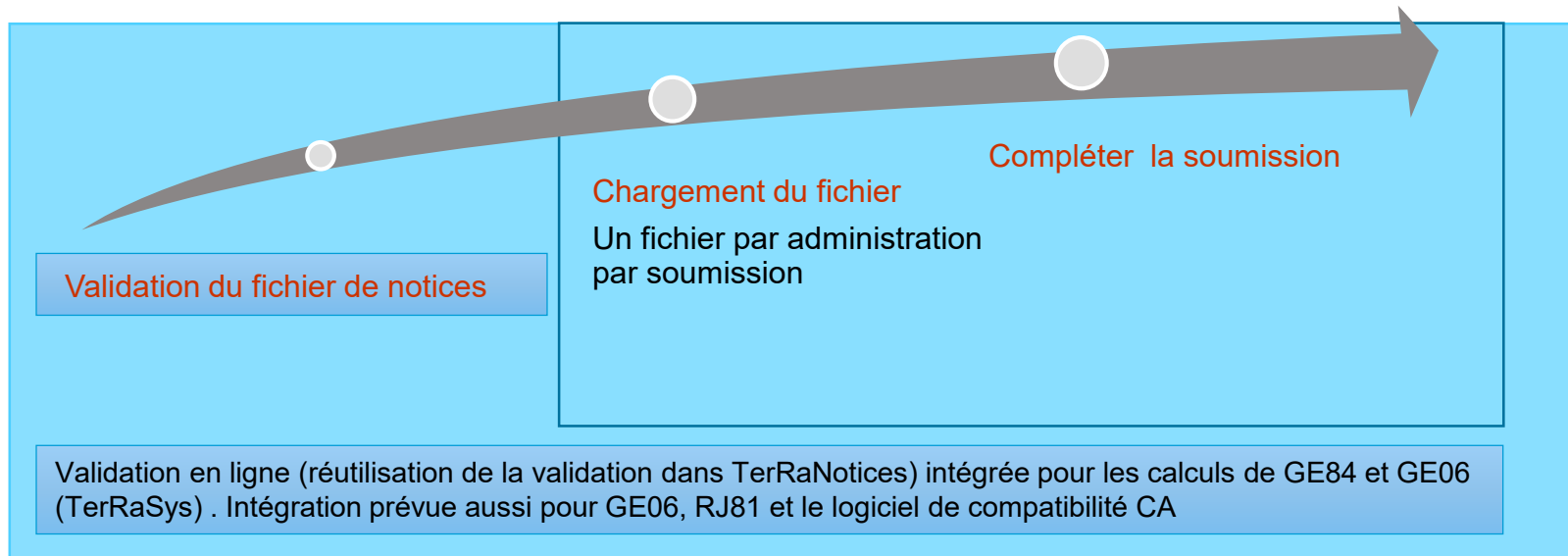
### Infrastructure de serveurs :

UIT: 30 processus indépendants sont actuellement disponibles sur les serveurs de l'UIT pour les calculs

## Soumission de fichiers de notifications

GE06, RJ81, Compatibilité CA

GE84, GE06 Art.4 (TerRaSys)



L'infrastructure de traitement distribué de l'UIT traite votre soumission et vous informe quand elle a été traitée!



Vérifiez votre compte email!

## Traitement des soumissions

## Traitement des soumissions, confidentialité & partage des résultats

The processing system is currently ONLINE (28 processes available)

Please select the calculation type

GE84 GE84 Optimization

Test Packages (click to hide)

Jobs History for User: manara

Excel PDF Print Delete Selected Job(s) Refresh all

Showing 1 to 25 of 184 entries Show 25 entries Search

| Job Id | Job Name      | Job Status | Job Type | Request Date         | Start Date           | Completion Date      | Duration (min) |
|--------|---------------|------------|----------|----------------------|----------------------|----------------------|----------------|
| 18240  | test          | Failed     | GE84_OPT | 6/2/2022 4:44:01 PM  |                      | 6/2/2022 4:51:20 PM  | 7              |
| 18232  | test          | Failed     | GE84_OPT | 6/2/2022 4:33:49 PM  |                      | 6/2/2022 4:41:15 PM  | 2              |
| 18234  | test          | Failed     | GE84_OPT | 6/2/2022 4:30:24 PM  |                      | 6/2/2022 4:32:10 PM  | 2              |
| 18231  | IMP_FM_ITU_BR | Failed     | GE84_OPT | 6/2/2022 3:24:13 PM  |                      | 6/2/2022 3:28:04 PM  | 4              |
| 18213  | test          | Success    | GE84_OPT | 5/27/2022 2:16:39 PM | 5/27/2022 2:18:32 PM | 5/27/2022 2:18:50 PM | 2              |
| 18484  | test          | Success    | GE84_OPT | 5/26/2022 9:38:20 AM | 5/26/2022 9:39:31 AM | 5/26/2022 9:39:55 AM | 2              |

Job Output (click to hide)

Job Output : ERROR

Adm: I file: IMP\_FM\_ITU\_BR\_AM.txt  
Parse status: T\_PARSE\_HAS\_ERRORS  
Total number of errors: 11  
Total number of warnings: 10

Notice 35 (Line 3386) - T01/ADD  
Line 3386 : DeepVal Error - Vertically Polarized ERP (58.0 dBW) not valid. Valid range: <= 57.0 dBW.

Notice 94 (Line 3101) - T01/ADD  
Line 3101 : DeepVal Error - Vertically Polarized ERP (58.0 dBW) not valid. Valid range: <= 57.0 dBW.

Notice 102 (Line 9847) - T01/ADD  
Line 9847 : DeepVal Error - Assigned frequency 87.6 MHz with Necessary bandwidth exceeding 200 kHz is receivable only from IRN, AFG and Geographical areas in No. 5.175 of the RR (ARM, AZE, BLR, GEO, KAZ, KGZ, LVA, LTU, MDA, RUS, TKM, UKR and UZB), and only on exceptional basis

Notice 104 (Line 10080) - T02/ADD  
Line 10080 : DeepVal Error - GE84 Assioned Frequency (87.95 MHz) is not a multiple of 100 kHz.

SVP contacter [brbcd@itu.int](mailto:brbcd@itu.int)  
Si le/les messages d'erreur ne sont pas clairs

## Confidentialité & partage des résultats

Environ 1,720 calculs partagés par 72 administrations avec 925 utilisateurs de 111 administrations différentes.



Les Caculs (soumissions et résultats) sont confidentielles, mais...

... Aide à la coordination!



... vous pouvez, si vous le désirez, les partager avec d'autres utilisateurs enregistrés dans eBroadcasting!



Please select the calculation type

GE84
GE84 Compatibility Analyses
New Calculation

En savoir plus lors de la présentation de GE84!

Select the proposed modification

87.7MHz\_RTS Andijan\_072°23'30"E-40°42'57"N-Id:1

| Result <span style="background-color: #0056b3; color: white; padding: 2px 5px;">Affected</span> Interferers   |     |          |         |                          |       |                    |                     |                    |                    |                              |           |               |         |       |        |             |            |                  |
|---|-----|----------|---------|--------------------------|-------|--------------------|---------------------|--------------------|--------------------|------------------------------|-----------|---------------|---------|-------|--------|-------------|------------|------------------|
| Export to Excel   |     |          |         |                          |       |                    |                     |                    |                    |                              |           |               |         |       |        |             |            |                  |
| Showing 1 to 18 of 18 entries Show <span style="border: 1px solid #ccc; padding: 2px;">50</span> entries <span style="float: right;">Search: <input style="width: 80px;" type="text"/></span> |     |          |         |                          |       |                    |                     |                    |                    |                              |           |               |         |       |        |             |            |                  |
| Assign ID   | Adm | Intent   | Stn Cls | Assigned Frequency (MHz) | Polar | Site Name          | Total Distance (km) | Cold Sea Path (km) | Warm Sea Path (km) | Super refractivity Path (km) | ERP (dBW) | Azimuth (deg) | PR (dB) | NFS   | Eu Ref | Proposed Eu | Current Eu | Eu increase (dB) |
| 113066089   | KGZ | RECORDED | BC      | 87.6                     | V     | PPC18              | 43                  | -                  | -                  | -                            | 38.6      | 121           | 33      | 82.23 | 88.59  | 87.62       | 81.93      | 5.69             |
| 113066084   | KGZ | RECORDED | BC      | 87.6                     | V     | Mailyasai PPC      | 69                  | -                  | -                  | -                            | 38.6      | 12            | 33      | 78.39 | 84.44  | 89.43       | 86.93      | 2.5              |
| 113066092   | KGZ | RECORDED | BC      | 87.6                     | V     | Alabuka            | 108                 | -                  | -                  | -                            | 38.6      | 315           | 33      | 77.79 | 94.47  | 96.62       | 95.95      | 0.67             |
| 113066077   | KGZ | RECORDED | BC      | 87.6                     | V     | Batken PPC         | 162                 | -                  | -                  | -                            | 38.6      | 235           | 33      | 74.83 | 72.26  | 85.85       | 83.67      | 2.18             |
| 115125428   | KGZ | RECORDED | BC      | 87.9                     | V     | RRSGULCHA          | 87                  | -                  | -                  | -                            | 38.6      | 115           | 7       | 67.9  | 73.84  | 81.1        | 79.64      | 1.46             |
| 118018296   | KGZ | RECORDED | BC      | 88.1                     | V     | RRS-6 2 Yuzhnaya 2 | 72                  | -                  | -                  | -                            | 38.6      | 45            | -20     | 62.75 | 108.23 | 121.72      | 121.72     | 0                |
| 118018297   | KGZ | RECORDED | BC      | 87.9                     | V     | Djalal-Abad        | 58                  | -                  | -                  | -                            | 38.6      | 65            | 7       | 61.66 | 133.12 | 104.75      | 104.75     | 0                |
| 115125429   | KGZ | RECORDED | BC      | 87.7                     | V     | ISFANA             | 262                 | -                  | -                  | -                            | 38.6      | 249           | 37      | 60.23 | 100.39 | 104.08      | 104.08     | 0                |
| 118077926   | KGZ | RECORDED | BC      | 87.9                     | V     | RRS-50 Tash-Kumyr  | 72                  | -                  | -                  | -                            | 38.6      | 349           | 7       | 52.84 | 111.06 | 108.06      | 108.06     | 0                |
| 120145091   | KAZ | RECORDED | BC      | 87.7                     | V     | KOKSARAI UKO       | 414                 | -                  | -                  | -                            | 38.6      | 303           | 37      | 51.7  | 55.14  | 59.8        | 56.33      | 3.47             |
| 113066081   | KGZ | RECORDED | BC      | 88                       | V     | PPC62              | 61                  | -                  | -                  | -                            | 38.6      | 64            | -7      | 48.2  | 96.97  | 111.3       | 111.3      | 0                |
| 113066075   | KGZ | RECORDED | BC      | 87.9                     | V     | Karakul PPC        | 115                 | -                  | -                  | -                            | 38.6      | 18            | 7       | 41.84 | 65.52  | 96.22       | 96.22      | 0                |
| 113066070   | KGZ | RECORDED | BC      | 88.1                     | V     | PPC30              | 24                  | -                  | -                  | -                            | 38.6      | 158           | -20     | 41.61 | 94.31  | 76.94       | 76.93      | 0.01             |

| Adm | Submitted | Assignable | Non Assignable |
|-----|-----------|------------|----------------|
| AFS | 177       | 86         | 91             |
| NMB | 73        | 73         | 0              |

En savoir plus lors de la présentation de GE84!

Showing results for assignable requirements from NMB

Select requirement:

FLEX-ARIAMSVLEI (019°50'00"E-28°08'00"S) System 4 Polarization H

GE84 Optimization Description

Summary [ FLEX-ARIAMSVLEI (019°50'00"E-28°08'00"S) System 4 Polarization H ]

Instrumental lors du projet d'optimisation du plan GE84 pour l'Afrique (2020-2022)

Details of the requirement under consideration

Show top 5 interferers in the summary Show top 5 affected in the summary

| Frequency (MHz) | Top five interferers |      |        |       |       |      |           |       |          |          |            |     |       |             |        |        |
|-----------------|----------------------|------|--------|-------|-------|------|-----------|-------|----------|----------|------------|-----|-------|-------------|--------|--------|
|                 | Assign ID            | Adm. | Intent | Class | Freq. | Pol. | Site Name | Dist. | Cold Sea | Warm Sea | Sup. Refr. | ERP | Azim. | Prot. Ratio | NFS    | Coord. |
| FLEX            | 66                   | AFS  | ADD    | BC    | FLEX  | H    | AUGRABIES | 73    | 0        | 0        | 0          | 47  | 310.9 | 45          | 101.16 | ---    |
|                 | 70                   | AFS  | ADD    | BC    | FLEX  | H    | NOENIEPUT | 76    | 0        | 0        | 0          | 47  | 216.8 | 45          | 97.01  | ---    |
|                 | 248                  | NMB  | ADD    | BC    | FLEX  | H    | UR        | 144   | 0        | 0        | 0          | 47  | 118.8 | 37          | 89.81  | ---    |
|                 | 213                  | NMB  | ADD    | BC    | FLEX  | H    | NM 5      | 115   | 0        | 0        | 0          | 47  | 141.1 | 37          | 89.61  | ---    |
|                 | 62                   | AFS  | ADD    | BC    | FLEX  | H    | HOUMOED   | 119   | 0        | 0        | 0          | 47  | 357.6 | 37          | 88.14  | ---    |

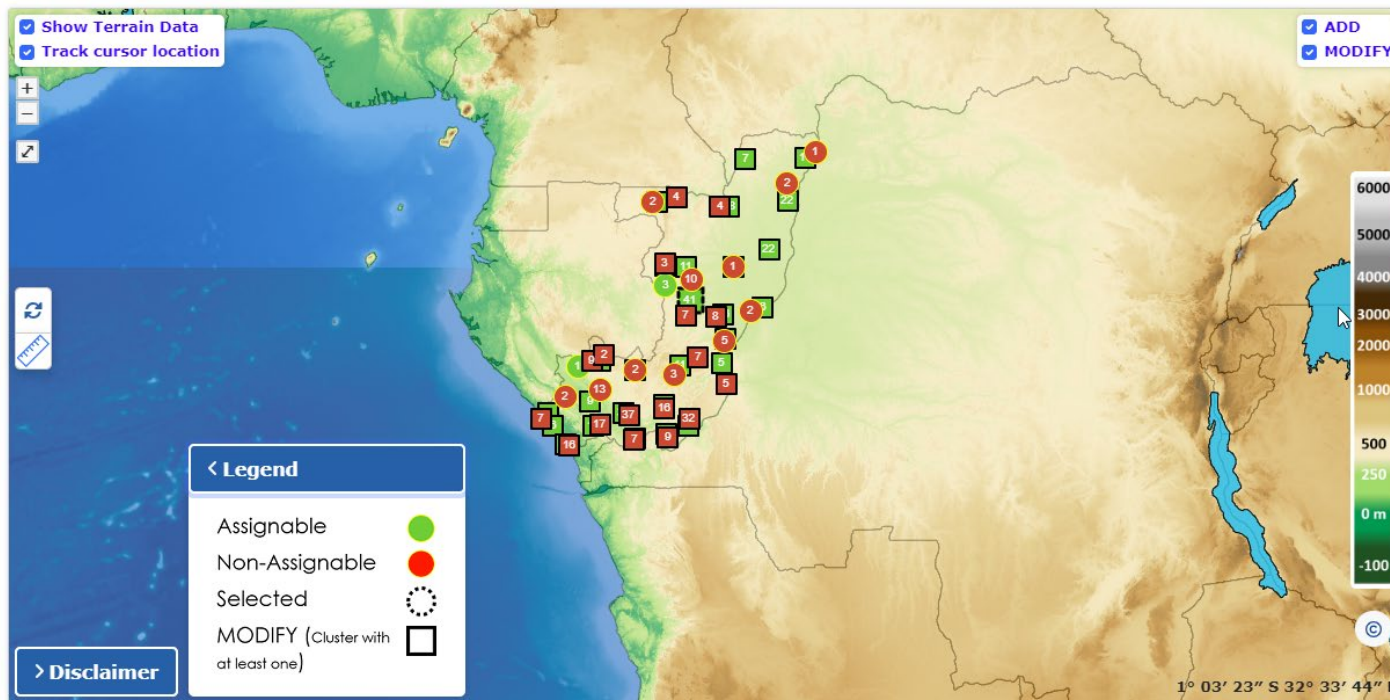
Excel

| Frequency (MHz) | Max NFS Generate (dB(μV/m)) | Max NFS Received (dB(μV/m)) | Top five interferers |      |          |       |       |      |               |       |          |          |            |     |       |             |       |        |
|-----------------|-----------------------------|-----------------------------|----------------------|------|----------|-------|-------|------|---------------|-------|----------|----------|------------|-----|-------|-------------|-------|--------|
|                 |                             |                             | Assign ID            | Adm. | Intent   | Class | Freq. | Pol. | Site Name     | Dist. | Cold Sea | Warm Sea | Sup. Refr. | ERP | Azim. | Prot. Ratio | NFS   | Coord. |
| 87.6            | 74.23                       | 74.23                       | 084002194            | NMB  | RECORDED | BC    | 87.6  | H    | KEETMANSHOOP  | 241   | 0        | 0        | 0          | 47  | 136.1 | 37          | 74.23 | ---    |
|                 |                             |                             | 084000411            | AFS  | RECORDED | BC    | 87.8  | H    | AUGRABIES     | 73    | 0        | 0        | 0          | 47  | 310.9 | 7           | 68.69 | ---    |
|                 |                             |                             | 084000279            | AFS  | RECORDED | BC    | 87.6  | H    | GARIES        | 296   | 0        | 0        | 0          | 37  | 35.4  | 37          | 60.92 | ---    |
|                 |                             |                             | 084000363            | AFS  | RECORDED | BC    | 87.7  | H    | PRIESKA       | 321   | 0        | 0        | 0          | 47  | 301.8 | 25          | 54.8  | ---    |
|                 |                             |                             | 084000255            | AFS  | RECORDED | BC    | 87.6  | H    | BEAUFORT WEST | 525   | 0        | 0        | 0          | 47  | 330.1 | 37          | 47.92 | ---    |
| 87.7            | 89.16                       | 89.16                       | 084000411            | AFS  | RECORDED | BC    | 87.8  | H    | AUGRABIES     | 73    | 0        | 0        | 0          | 47  | 310.9 | 33          | 89.16 | ---    |
|                 |                             |                             | 084000363            | AFS  | RECORDED | BC    | 87.7  | H    | PRIESKA       | 321   | 0        | 0        | 0          | 47  | 301.8 | 37          | 66.8  | ---    |
|                 |                             |                             | 084002194            | NMB  | RECORDED | BC    | 87.6  | H    | KEETMANSHOOP  | 241   | 0        | 0        | 0          | 47  | 136.1 | 25          | 62.23 | ---    |



En savoir plus lors de la présentation de GE84!

| Adm | Submitted | Assignable | Non Assignable |
|-----|-----------|------------|----------------|
| COG | 606       | 373        | 233            |



Summary [ BANDA | 95.6 MHz (ADD) ]    95.6MHz | List of Interferers    95.6MHz | List of Affected    NFS Calculation with P1812v4 (Beta)

Show Terrain Data

Track cursor location

+  
-

**< Legend**

**Wanted**  
 Wanted (ADD) ▲  
 Wanted (MODIFY) ◆

**Contributors**  
 NFS <= NFS max ●  
 NFS > NFS max ●  
 NFS > NFS max (Accepted) ●  
 Recorded ○  
 TIP (ADD) □  
 TIP (Cluster with at least one MODIFY) □  
 Selected ○

**> Disclaimer**

**Transmitter Info** (click to hide)

Adm: GAB    Name: MAKONGGONO    BR Assigned id: 7763

Freq (MHz): 95.6    long (COORDINATES): 0114238    lat (COORDINATES): -020251

Polar: Vertical    hgt (Agm): 60    Eps (dB): 33

**Receiver Info** (click to show)

**Propagation Model** (click to hide)

% of location: 50    Reception Type: Outdoor    DEM: SRTM3

**FS Labels** (click to show)

**Results** (click to hide)

| Tropo. Calculation       |                           | Steady Calculation |             |
|--------------------------|---------------------------|--------------------|-------------|
| Job id (1% of Time)      | Job id (50% of Time)      | Poi Dis (dB)       | F. Sep (Hz) |
| 153386                   | 153385                    | 10                 | 0           |
| FS Troposphere (dB)      | FS Joway (dB)             | Dist (m)           | Admin       |
| 37                       | 45                        | 157.5              | 175         |
| FS 1% of Time (dB/(v/m)) | FS 50% of Time (dB/(v/m)) | NFS (dB/(v/m))     |             |
| 24.13                    | 17.73                     | 52.73 (Steady)     |             |

**Terrain Altitude vs Fs.**

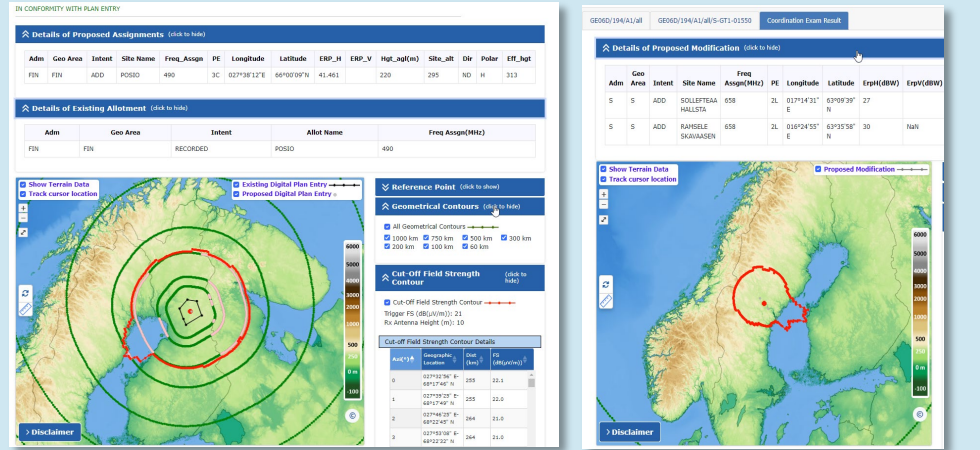
Showing 1 to 19 of 19 entries

| Assign ID | Adm | Intent | Str Cls | Assigned Frequency (MHz) | Polar | Site Name  | Total Distance (km) | Cold Sea Path (km) | Warm Sea Path (km) | Super refra Path |
|-----------|-----|--------|---------|--------------------------|-------|------------|---------------------|--------------------|--------------------|------------------|
| 7763      | GAB | ADD    | BC      | 95.6                     | V     | MAKONGGONO | 158                 | 0                  | 0                  | 0                |
| 7870      | GAB | ADD    | BC      | 95.6                     | V     | MABANDA    | 83                  | 0                  | 0                  | 0                |
| 7886      | GAB | ADD    | BC      | 95.6                     | V     | MALINGA    | 124                 | 0                  | 0                  | 0                |
| 4370      | COD | ADD    | BC      | 95.6                     | H     | MOANDA     | 288                 | 0                  | 45                 | 0                |
| 5522      | COG | ADD    | BC      | 95.5                     | H     | SIBITI     | 168                 | 0                  | 0                  | 0                |

Possibilité d'effectuer des Calculs P.1812 P2P pour évaluer l'impact du terrain

## Modification du plan GE06D (examen de coordination/ conformité)

Les simulations de eTools  
intègrent le logiciel  
TerRaSys depuis 2023



**Details of Proposed Assignments**

| Adm | Geo Area | Intent | Site Name | Freq_Assgn | PE | Longitude   | Latitude   | ERP_H  | ERP_V | Hgt_Hgt(m) | Site_Alt | Dlr | Polar | Eff_Agt |
|-----|----------|--------|-----------|------------|----|-------------|------------|--------|-------|------------|----------|-----|-------|---------|
| FIN | FIN      | ADD    | POSDO     | 490        | 3C | 027°38'12"E | 66°00'00"N | 41.461 | 220   | 295        | ND       | H   | 31.3  |         |

**Details of Existing Allotment**

| Adm | Geo Area | Intent   | Site Name | Freq_Assgn(MHz) |
|-----|----------|----------|-----------|-----------------|
| FIN | FIN      | RECORDED | POSDO     | 490             |

**Details of Proposed Modification**

| Geo Area | Intent | Site Name | Freq_Assgn(MHz)      | PE  | Longitude | Latitude   | Erpt(ERP)  | Erpt(WBW) |
|----------|--------|-----------|----------------------|-----|-----------|------------|------------|-----------|
| S        | S      | ADD       | SOLLEFTEA<br>HALLSTA | 658 | ZL        | 01°14'31"E | 63°09'39"N | 27        |
| S        | S      | ADD       | PARSELE<br>SKAVANSEN | 658 | ZL        | 01°04'35"E | 63°10'58"N | 30        |

## Analyses de compatibilité GE06

Calculs d'interférence entre les nouveaux  
besoins (à partir des fichiers de notification  
électroniques)

et les assignations de plan existants

Contribue à la planification dans les organisations  
régionales

En savoir plus lors de la présentation de GE06 !

### Job Summary

Delete ✖ Share 🌐

| Job Id | Job name | Status  |
|--------|----------|---------|
| 81567  | test     | Success |

### Job Input

| Adm | E-notice file | Number of Notices |
|-----|---------------|-------------------|
| MRC | MRC1.txt      | 1                 |

### Job Output

Download results

Fichier MS Access mdb à  
visualiser avec GE06Calc.

ATU (2012-2013)

ASMG (2014-2015)

# eBroadcasting >> eTools >> RJ81 modification du plan et etudes what-if



[eTools Disclaimer](#) [eTools Documentations](#)

The processing system is currently **ONLINE** (28 processes available)

Please select the calculation type

⌵ **Test Packages** (click to show)

⌶ **Job Input Details** (click to hide)

Job Summary

| Job Id | Job name | Status  |
|--------|----------|---------|
| 18951  | test     | Success |

Job Input (1 File(s))

| Adm | E-notice file                          | Number of Notices |
|-----|--|-------------------|
| ARG | <a href="#">ARG_2Notices_56_57.txt</a> | 2                 |

⌶ **Job Output** (click to hide)

Job Output

| Proposed Modification | Administrations with incompatibilities |
|-----------------------|--|
| 570kHz_BUENOS AIRES   | CHL URG                                |
| 560kHz_TARTAGAL       | B PRG                                  |

Select the proposed modification

Select the affected protected station

Result

Showing 1 to 3 of 3 entries Show  entries

Search:

| ID Number | Frequency Assigned (kHz) | Country | Station Name | Class of Station | BR Serial Number Affected | Frequency Assigned Affected (kHz) | Country Affected | Station Name Affected | Class of Station Affected | RJ81 List Affected | Time of Operation | Azimuth (deg) | Distance (km) | Symbol | Protected Value (mV/m) | NFS (mV/m) | NFS or EU before (mV/m) | EU after (mV/m) | Note |
|-----------|--------------------------|---------|--------------|------------------|---------------------------|-----------------------------------|------------------|-----------------------|---------------------------|--------------------|-------------------|---------------|---------------|--------|------------------------|------------|-------------------------|-----------------|------|
| 2         | 570                      | ARG     | BUENOS AIRES | B                | 081000471                 | 570                               | CHL              | SANTIAGO 12           | A                         | A                  | N                 | 140           | 123           | Y      | 0.68                   | 0.73       | 1                       | 1.24            |      |
| 2         | 570                      | ARG     | BUENOS AIRES | B                | 081000471                 | 570                               | CHL              | SANTIAGO 12           | A                         | A                  | N                 | 160           | 146           | Y      | 0.63                   | 0.71       | 0.94                    | 1.18            |      |
| 2         | 570                      | ARG     | BUENOS AIRES | B                | 081000471                 | 570                               | CHL              | SANTIAGO 12           | A                         | A                  | N                 | 220           | 190           | Y      | 0.38                   | 0.53       | 0.81                    | 0.89            |      |

Suite aux demandes CITEL(2014-2015)

- Plan Modification
- What-if studies
- What-if studies configurable Enom



Calculs d'interférence entre les nouveaux besoins(à partir des fichiers de notification électroniques) et les assignations de plan existants dans le MIFR et les assignations enregistrées

Job Summary Delete ✖ Share ↻

| Job Id | Job name | Status  |
|--------|----------|---------|
| 78840  | test     | Success |

Job Input

| Adm | E-notice file    | Number of Notices |
|-----|------------------|-------------------|
| MEX | MEX_76840_IN.txt | 4                 |

Job Output

[Download results](#)

MS Access mdb file to be visualized with CA Display

## COMTELCA

- Basé sur le logiciel EBU développé pour la planification RRC06
- Principales modifications
  - Modèle de propagation ITU-R P.1546-5 (correction de l'indice de réfraction) vs ITU-R P.1546-2 (zones de propagation)
  - Rapports de protection pour toutes les normes numériques (vs. DVB-T uniquement)

[Manuel CA Display](#)

[Manuel CA compat](#)

“Mon propre bureau pour les services de radiodiffusion@ITU : ouvert ~24/7”

**Point focal  
uniquement**

CR 408: Restricted access to **focal point** only **since November 2016** for myAdmin and e-mail notification

services

|     |    |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
|-----|----|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| AFG | 0  | AFS | 3 | AGL | 1 | ALB | 0 | ALG | 4 | AND | 0 | ARG | 0 | ARM | 1 | ARS | 7 | ATG | 0 | AUS | 1 | AUT | 7 |
| AZE | 2  | B   | 0 | BAH | 0 | BDI | 2 | BEL | 4 | BEN | 2 | BFA | 2 | BGD | 0 | BHR | 5 | BIH | 3 | BLR | 2 | BLZ | 0 |
| BOL | 2  | BOT | 0 | BRB | 0 | BRM | 0 | BRU | 0 | BTN | 0 | BUL | 3 | CAF | 0 | CAN | 0 | CBG | 0 | CHL | 0 | CHN | 3 |
| CLM | 0  | CLN | 0 | CME | 6 | COD | 0 | COG | 5 | COM | 4 | CPV | 1 | CTI | 3 | CTR | 0 | CUB | 0 | CVA | 1 | CYP | 3 |
| CZE | 2  | D   | 2 | DJI | 1 | DMA | 0 | DNK | 1 | DOM | 0 | E   | 4 | EGY | 3 | EQA | 0 | ERI | 0 | EST | 3 | ETH | 0 |
| F   | 13 | FIN | 2 | FJI | 0 | FSM | 0 | G   | 3 | GAB | 2 | GEO | 2 | GHA | 1 | GMB | 1 | GNB | 0 | GNE | 1 | GRC | 0 |
| GRD | 0  | GTM | 0 | GUI | 2 | GUY | 0 | HND | 0 | HNG | 6 | HOL | 0 | HRV | 5 | HTI | 0 | I   | 6 | IND | 2 | INS | 2 |
| IRL | 4  | IRN | 4 | IRQ | 2 | ISL | 0 | ISR | 0 | J   | 1 | JMC | 0 | JOR | 4 | KAZ | 3 | KEN | 3 | KGZ | 1 | KIR | 1 |
| KNA | 0  | KOR | 1 | KRE | 0 | KWT | 0 | LAO | 0 | LBN | 0 | LBR | 3 | LBY | 4 | LCA | 0 | LIE | 1 | LSO | 2 | LTU | 4 |
| LUX | 1  | LVA | 2 | MAU | 1 | MCO | 2 | MDA | 2 | MDG | 3 | MEX | 0 | MHL | 0 | MKD | 2 | MLA | 3 | MLD | 0 | MLI | 2 |
| MLT | 2  | MNE | 1 | MNG | 0 | MOZ | 4 | MRC | 5 | MTN | 6 | MWI | 0 | NCG | 0 | NGR | 1 | NIG | 3 | NMB | 2 | NOR | 5 |
| NPL | 0  | NRU | 0 | NZL | 2 | OMA | 6 | PAK | 1 | PHL | 1 | PNG | 0 | PNR | 0 | POL | 1 | POR | 3 | PRG | 0 | PRU | 0 |
| PSE | 2  | QAT | 2 | ROU | 1 | RRW | 4 | RUS | 2 | S   | 1 | SDN | 4 | SEN | 2 | SEY | 6 | SLM | 0 | SLV | 0 | SMO | 0 |
| SMR | 0  | SNG | 1 | SOM | 0 | SRB | 2 | SRL | 0 | SSD | 1 | STP | 0 | SUI | 2 | SUR | 0 | SVK | 5 | SVN | 2 | SWZ | 1 |
| SYR | 2  | TCD | 2 | TGO | 5 | THA | 0 | TJK | 0 | TKM | 0 | TLS | 0 | TON | 0 | TRD | 0 | TUN | 3 | TUR | 1 | TUV | 0 |
| TZA | 5  | UAE | 5 | UGA | 1 | UKR | 3 | URG | 0 | USA | 0 | UZB | 1 | VCT | 0 | VEN | 0 | VTN | 3 | VUT | 0 | YEM | 0 |
| ZMB | 3  | ZWE | 3 |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |

Si aucun coordonnateur n'est notifié, le BR utilise des adresses mail officielles (Pas d'ac [brbcd@itu.int](mailto:brbcd@itu.int) myAdmin dans ce cas ☹ )

**340 points focaux TIES account from 116 administration**

## Dernières Sections Spéciales et correspondance sortante



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

|           |                        |       |                     |      |      |      |      |          |
|-----------|------------------------|-------|---------------------|------|------|------|------|----------|
| Adm (ITU) | <b>2(1)</b><br>MailBox | GE06D | <b>R(1)</b><br>GE84 | ST61 | RJ81 | GE75 | MIFR | CAC List |
|-----------|------------------------|-------|---------------------|------|------|------|------|----------|

[No Title]

### Latest Special Sections annex to the latest BR IFIC (3034) on date 12 Nov 2024

Your proposed plan modifications published

| Plan | Special Section | PubPart | Number of Notices |
|------|-----------------|---------|-------------------|
| GE84 | 344             | A       | 1                 |
| GE84 | 344             | B       | 7                 |

Plan modifications affecting your administration published

| Plan | Special Section | PubPart | Number of Notices |
|------|-----------------|---------|-------------------|
| GE84 | 344             | A       | 13                |

### BR Outgoing Correspondence

ALL  ALL SS

Showing 1 to 25 of 291 entries Show  entries

Search:

| Plan | Special Section | Correspondence                 | Date Letter | Deadline    | Document                              | Number of days for comment/action |
|------|-----------------|--------------------------------|-------------|-------------|---------------------------------------|-----------------------------------|
| GE06 | 223             | Publication of Special Section | 29 Oct 2024 | 12 Jan 2025 | <a href="#">31B(BCD)O-2024-003291</a> | 61                                |
| GE06 | 221             | Publication of Special Section | 3 Sep 2024  | 17 Nov 2024 | <a href="#">31B(BCD)O-2024-002857</a> | 5                                 |
| GE84 | 341             | Publication of Special Section | 20 Aug 2024 | 9 Oct 2024  | <a href="#">31E(BCD)O-2024-002657</a> | expired                           |
| GE06 | 220             | Publication of Special Section | 6 Aug 2024  | 20 Oct 2024 | <a href="#">31B(BCD)O-2024-002243</a> | expired                           |
| GE06 | 219             | Publication of Special Section | 9 Jul 2024  | 22 Sep 2024 | <a href="#">31B(BCD)O-2024-002222</a> | expired                           |

## Correspondance entrante du BR: commentaires de GE84 reçus/envoyés

Remplacement de l'envoi manuel de mails (pendant la periode de coordination) par un système automatique



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



|           |         |       |                            |      |      |      |            |
|-----------|---------|-------|----------------------------|------|------|------|------------|
| Adm (ITU) | MailBox | GE06D | <b>BR(1) DC(4)</b><br>GE84 | ST61 | GE75 | MIFR | [No Title] |
|-----------|---------|-------|----------------------------|------|------|------|------------|



### BR Incoming Correspondence: GE84 comments received

| Sender Adm | Date Letter | Document                              |
|------------|-------------|---------------------------------------|
| MKD        | 26 Sep 2024 | <a href="#">31E(BCD)I-2024-028779</a> |
| RUS        | 10 Oct 2024 | <a href="#">31E(BCD)I-2024-030234</a> |
| MDA        | 24 Oct 2024 | <a href="#">31E(BCD)I-2024-031561</a> |
| HNG        | 29 Oct 2024 | <a href="#">31E(BCD)I-2024-031889</a> |
| GRC        | 30 Oct 2024 | <a href="#">31E(BCD)I-2024-032003</a> |

### BR Incoming Correspondence: GE84 comments sent

| Date Letter | Document                              | Receiving Administration |
|-------------|---------------------------------------|--------------------------|
| 25 Oct 2024 | <a href="#">31E(BCD)I-2024-031632</a> | GRC UKR                  |





## Tableau de bord Plans &amp; MIFR

| Adm (ITU)   | <b>3(2)</b><br>MailBox | <b>D(56)</b><br>GE06D | <b>R(10)</b><br>GE84 | ST61 | GE75 | MIFR |                      |
|---|------------------------|-----------------------|----------------------|------|------|------|----------------------|
| Recorded Assignments  |                        |                       |                      |      |      |      | <a href="#">2985</a> |
| Notices under treatment   |                        |                       |                      |      |      |      | <a href="#">124</a>  |
| Notices under treatment ready for Part B                                |                        |                       |                      |      |      |      | <a href="#">32</a>   |
| Notices under treatment receiving objection                             |                        |                       |                      |      |      |      | <a href="#">16</a>   |
| Notices under treatment which affect me                                 |                        |                       |                      |      |      |      | <a href="#">36</a>   |
| Comments given in the last period (30 days)                             |                        |                       |                      |      |      |      | <a href="#">5</a>    |
| Comments received in the last period (30 days)                          |                        |                       |                      |      |      |      | <a href="#">6</a>    |
| Notices to be deleted after 2 years and 75 days (90 days early warning) |                        |                       |                      |      |      |      | <a href="#">56</a>   |



## Tableau de bord Plans &amp; MIFR

|   |                 |                |               |      |      |                      |
|---|-----------------|----------------|---------------|------|------|----------------------|
| Adm (ITU)                                   | 3(2)<br>MailBox | D(56)<br>GE06D | R(10)<br>GE84 | ST61 | GE75 | MIFR                 |
| Recorded Assignments                        |                 |                |               |      |      | <a href="#">2123</a> |
| Notices under treatment                     |                 |                |               |      |      | <a href="#">19</a>   |
| Notices under treatment ready for Part B    |                 |                |               |      |      | <a href="#">7</a>    |
| Notices under treatment receiving objection |                 |                |               |      |      | <a href="#">12</a>   |
| Notices under treatment which affect me     |                 |                |               |      |      | <a href="#">64</a>   |
| Notices under Coordination Check Review     |                 |                |               |      |      | <a href="#">10</a>   |

## Tableau de bord Plans & MIFR

MyAdmin: Virtual ITU broadcasting office

Adm (ITU) MailBox GE06D **GE84** ST61 RJ81 GE75 MIFR CAC

|   |      |
|---|------|
| Recorded Assignments                                  | 7700 |
| Notices under treatment                               | 18   |
| Notices under treatment ready for Part B              | 1    |
| Notices under treatment receiving objection           | 5    |
| Notices under treatment which affect me               | 209  |
| Notices under treatment which affect me I objected to | 31   |
| Comments given in the last period (30 days)           | 24   |
| Comments received in the last period (30 days)        | 8    |

GE84/F

Export to Excel Export to PDF Google Earth Generate TB3 Generate a notice (Export to SOGL) Print

Showing 1 to 18 of 18 entries Show 50 entries Search:

| SR Id     | Adm | Site Name         | Assigned Frequency | Intent | Special Section | End Date(Comments) | Coord Completed                     | Objectionly | Coord Required                      |
|-----------|-----|-------------------|--------------------|--------|-----------------|--------------------|-------------------------------------|-------------|-------------------------------------|
| 122084873 | F   | RETHEL            | 92.8               | ADD    | 318             | 12 Jan 2023        | AUT BEL D G HOL 1 LIE LUX SUI       |             | AUT BEL D G HOL 1 LIE LUX SUI       |
| 122084880 | F   | REIMS             | 91.7               | ADD    | 318             | 12 Jan 2023        | AUT BEL D G HOL 1 LIE LUX SUI       |             | AUT BEL D G HOL 1 LIE LUX SUI       |
| 122084878 | F   | MONTBARD          | 94.3               | ADD    | 318             | 12 Jan 2023        | AUT BEL D G HOL 1 LIE LUX MCO SUI   |             | AUT BEL D G HOL 1 LIE LUX MCO SUI   |
| 122084874 | F   | MONTBARD          | 105.4              | ADD    | 318             | 12 Jan 2023        | AUT BEL D G HOL 1 LIE LUX MCO SUI   |             | AUT BEL D G HOL 1 LIE LUX MCO SUI   |
| 122084875 | F   | MONTBARD          | 89.7               | ADD    | 318             | 12 Jan 2023        | AUT BEL D G HOL 1 LIE LUX MCO SUI   |             | AUT BEL D G HOL 1 LIE LUX MCO SUI   |
| 122084881 | F   | AUTUN             | 99.6               | ADD    | 318             | 12 Jan 2023        | AUT BEL D HOL 1 LIE LUX MCO SUI     |             | AUT BEL D HOL 1 LIE LUX MCO SUI     |
| 122084876 | F   | BESANCON          | 105.6              | ADD    | 318             | 12 Jan 2023        | AUT BEL D HOL 1 LIE LUX MCO SUI     |             | AUT BEL D HOL 1 LIE LUX MCO SUI     |
| 122084877 | F   | LUXEUIL LES BAINS | 101.9              | ADD    | 318             | 12 Jan 2023        | AUT BEL CZE D HOL 1 LIE LUX MCO SUI |             | AUT BEL CZE D HOL 1 LIE LUX MCO SUI |
| 122063087 | F   | SENS              | 107.2              | ADD    | 316             | 17 Nov 2022        | AUT BEL D G HOL 1 LIE LUX SUI       |             | AUT BEL D G HOL 1 LIE LUX SUI       |
| 122063430 | F   | SENS              | 106.3              | ADD    | 316             | 17 Nov 2022        | AUT BEL D G HOL 1 LIE LUX SUI       |             | AUT BEL D G HOL 1 LIE LUX SUI       |
| 122063088 | F   | SENS              | 101                | ADD    | 316             | 17 Nov 2022        | AUT BEL D G HOL 1 LIE LUX SUI       |             | AUT BEL D G HOL 1 LIE LUX SUI       |
| 122054920 | F   | VALENCIENNES      | 87.7               | MODIFY | 315             | 20 Oct 2022        | BEL D G HOL LUX SUI                 |             | BEL D G HOL LUX SUI                 |
| 122000282 | F   | FREJUS 3          | 106.3              | ADD    | 314             |                    | AUT CVA D E 1 LIE MCO SMR SUI       |             | AND AUT CVA D E 1 LIE MCO SMR SUI   |
| 122001320 | F   | S ROSE            | 87.6               | ADD    | 310             |                    |                                     | MAU         | MAU                                 |
| 121124520 | F   | COTTI CHIAVARI    | 93.5               | MODIFY | 309             |                    | CVA E HRV 1 SMR SUI TUN             | MCO         | AND CVA E HRV 1 MCO SMR SUI TUN     |
| 122000004 | F   | BONFACIO          | 102.1              | ADD    | 309             |                    | CVA E MCO SMR SUI                   | 1           | CVA E 1 MCO SMR SUI TUN             |
| 122000002 | F   | BONFACIO          | 95.9               | ADD    | 309             |                    | CVA E MCO SMR SUI                   | 1           | CVA E 1 MCO SMR SUI TUN             |
| 122000002 | F   | BONFACIO          | 93.9               | ADD    | 309             |                    | CVA E MCO SMR SUI                   | 1           | CVA E 1 MCO SMR SUI TUN             |

Previous 1 Next

GE84/F

Export to Excel Export to PDF Google Earth **Generate TB3** Print

Showing 1 to 1 of 1 entries Show 50 entries Search:

| SR Id     | Adm | Site Name | Assigned Frequency | Intent | Special Section | End Date(Comments) | Coord Completed               | Objectionly | Coord Required                    |
|-----------|-----|-----------|--------------------|--------|-----------------|--------------------|-------------------------------|-------------|-----------------------------------|
| 122050282 | F   | FREJUS 3  | 106.3              | ADD    | 314             |                    | AUT CVA D E 1 LIE MCO SMR SUI |             | AND AUT CVA D E 1 LIE MCO SMR SUI |

Previous 1 Next

Tableau de bord Plans & MIFR





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



|   |         |      |      |                           |
|---|---------|------|------|---------------------------|
| Adm (ITU)                               | MailBox | RJ81 | MIFR | <b>CAC List</b>           |
| Notices in CAC List                     |         |      |      | <a href="#"><u>21</u></a> |
| Notices in CAC List implemented in MIFR |         |      |      | <a href="#"><u>3</u></a>  |





Sun 11/27/2016 4:49 AM  Tous les dimanches à 4h00

 eBCD, ITU

Recording of new coordinations/objections regarding your plan modifications (FIN)

To:  kari.hautala@ficora.fi;  kari.kangas@ficora.fi;  ari.lahtinen@ficora.fi;  markus.mettala@ficora.fi;  teemu.ovaska@ficora.fi

Dear Madam/Sir  Wed 11/23/2016 4:46 AM 

eBCD, ITU

Publication of your proposed plan modifications (G)

The Radiocommunication Bureau in To:  dowlandt@ties.itu.int;  freemanp@ties.itu.int;  ngreen@ties.itu.int;  hillsala@ties.itu.int;  jamesmar@ties.itu.int;  pollitt@ties.itu.int  
 have just been entered in the database.

**Latest Coordination for GE06**

| assgn_id  | pub_no | adm | siteOrA |
|-----------|--------|-----|---------|
| 116113557 | 119    | FIN | ESPOO   |
| 116113558 | 119    | FIN | ESPOO   |
| 116150059 | 122    | FIN | MIKKE   |

Dear Madam/Sir

The Radiocommunication Bureau informs you that your proposed plan modifications have just been published in the relevant Special Sections annex to BR IFIC 2833, on date 22/11/2016

| Plan | Special Section | Pub Part | NoNotices |
|------|-----------------|----------|-----------|
| GE84 | 246             | A        | 3         |

For all detailed information please visit [ePub](#)



Special Section GE84/315 of BRIFIC No 2975 dated Tuesday, July 12, 2022 (I) 31E(BCD)O-2022-003596



eBCD, ITU

To [eva.spina@mise.gov.it](mailto:eva.spina@mise.gov.it); [maurizio.danzo@mise.gov.it](mailto:maurizio.danzo@mise.gov.it); [nataledaniele.russo@mise.gov.it](mailto:nataledaniele.russo@mise.gov.it); [umberto.mascia@mise.gov.it](mailto:umberto.mascia@mise.gov.it); [anna.lassainato@mise.gov.it](mailto:anna.lassainato@mise.gov.it);

[tommaso.magliocca@mise.gov.it](mailto:tommaso.magliocca@mise.gov.it)

Cc [Traore, Bangaly-Fodé](#)

[Reply](#) [Reply All](#) [Forward](#) [Share](#) [More](#)

Mon 10/10/2022 4:25 AM

Dear Madam/Sir

On date Thursday, September 22, 2022 the Bureau

The Bureau has also later informed you via e-mail

The Bureau wishes to inform you that the limit of

**Important: Please do not reply to this email**

For any further clarification or additional information

Adm (ITU)
MailBox
GE06D
GE84
ST61
GE75
MIFR

Latest Special Sections annex to the latest BR IFIC (2982) on date 18 Oct 2022

Your proposed plan modifications to be published (Internal site ONLY)

| Plan | Special Section | PubPart | Number of Notices |
|------|-----------------|---------|-------------------|
| GE06 | 197             | B1      | 143               |
| GE75 | 204             | A       | 3                 |
| GE75 | 204             | B       | 4                 |

BR Outgoing Correspondence

ALL ▼

Showing 1 to 25 of 308 entries Show 25 entries Search:

| Plan | Special Section | Correspondence                 | Date Letter | Deadline    | Document                              | Number of days for comment/action |
|------|-----------------|--------------------------------|-------------|-------------|---------------------------------------|-----------------------------------|
| GE84 | 318             | Publication of Special Section | 4 Oct 2022  | 23 Nov 2022 | <a href="#">31E(BCD)O-2022-002767</a> | 43                                |
| GE84 | 316             | 50 days reminder               | 29 Sep 2022 | 9 Oct 2022  | <a href="#">31E(BCD)O-2022-002692</a> | expired                           |
| GE84 | 315             | 70 days reminder               | 22 Sep 2022 | 20 Oct 2022 | <a href="#">31E(BCD)O-2022-003596</a> | 9                                 |
| GE06 | 196             | Publication of Special Section | 20 Sep 2022 | 4 Dec 2022  | <a href="#">31E(BCD)O-2022-002563</a> | 54                                |
| GE84 | 317             | Publication of Special Section | 6 Sep 2022  | 26 Oct 2022 | <a href="#">31E(BCD)O-2022-002619</a> | 15                                |
| GE84 | 315             | 50 days reminder               | 1 Sep 2022  | 11 Sep 2022 | <a href="#">31E(BCD)O-2022-003383</a> | expired                           |
| GE84 | 314             | 70 days reminder               | 24 Aug 2022 | 22 Sep 2022 | <a href="#">31E(BCD)O-2022-003244</a> | expired                           |
| GE06 | 193             | 50 days reminder               | 18 Aug 2022 | 11 Sep 2022 | <a href="#">31E(BCD)O-2022-003210</a> | expired                           |

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

## Calculs selon les modèles de propagation UIT-R (séries P) pour les services de terre

### ➤ **Maintenant dans eTerrestrial**

### ➤ **Nouvelles fonctionnalités**

- Affichage cartographique intégré
- Interface utilisateur améliorée
- Options de 3 DEMs (SRTM valide uniquement dans la plage de latitudes [-56,60])
- Possibilité de lire à partir de Notices et de réutiliser les paramètres d'entrée d'autres calculs
- P.1812 proposé en option dans les calculs GE84
- P.1546 MultiPoint to Point

En savoir plus lors de la présentation de  
Propagation

**Recommendation ITU-R P.1812-6**  
(09/2021)

**A path-specific propagation prediction method for point-to-area terrestrial services in the frequency range 30 MHz to 6 000 MHz**

**Modèle déterministe:**

Modélise tous les phénomènes physiques qui jouent un rôle dans la propagation dans la bande VHF-UHF

**Profil spécifique**

Utilise le profil du terrain (élévation au-dessus du niveau moyen de la mer).

- 30 MHz - 6 GHz
- 0.25 km - 3000 km
- 1% < temps < 50%
- 1% < emplacements < 99%
- Rx and Tx hgt agl <= 3km

**Recommendation ITU-R P.1546-6**  
(08/2019)

**Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 4 000 MHz**

**Modèle empirique**

Basé sur des mesures de terrain approfondies et une analyse statistique

**Profil général**

L'effet du terrain uniquement via :

- Hauteur d'antenne effective
- Correction de l'angle de dégagement
- Correction de la diffusion troposphérique

- 30 MHz - 4 GHz
- 1 km - 1000 km
- 1% < temps < 50%
- 1% < emplacements < 99%
- Rx and Tx hgt agl <= 3km

En savoir plus lors de la présentation de Propagation I

**Analyses  
d'interférence/couverture!**



# P.1812-6(09-21)

Prédiction de la propagation en utilisant le profil de terrain (modèle déterministe)

- 30 MHz - 6 GHz
- 0.25 km - 3000 km
- 1% < temps < 50%
- 1% < emplacements < 99%
- Rx and Tx hgt agl <= 3km



**Transmitter**

Frequency(MHz): 186

Longitude(DMS): 45 00 00 E

Latitude(DMS): 41 10 00 N

ERP(dBW): 30

Ant. Height AGL(m): 70

Polarization: Horizontal

**Receiver**

Longitude(DMS): 45 21 14 E

Latitude(DMS): 41 05 39 N

Ant. Height AGL(m): 10

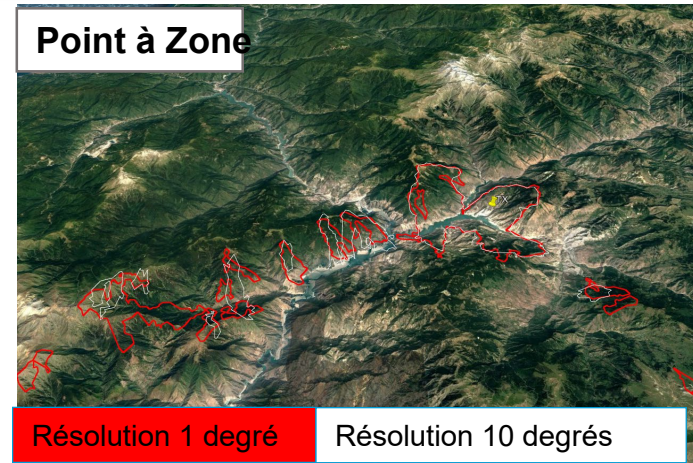
**Environment**

% of time: 1

% of location: 50

Reception type: Outdoor

DEM: **SRTM3**



En savoir plus lors de la présentation de Propagation !

# P.1546-6(08-19)

Prédiction de propagation (modèle empirique)

à Zone

30 MHz - 4 GHz

1 km - 1000 km


➤ 1% < temps < 50%

➤ 1% < emplacements < 99%

➤ TX eff hgt ≤ 3km

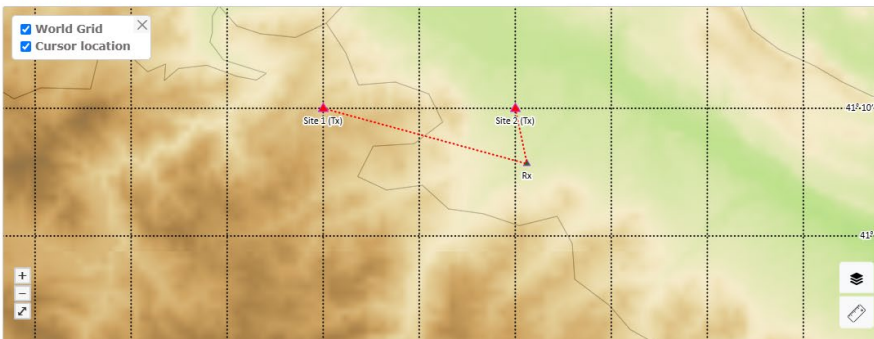
## Point à Point et MultiPoint à Point

Job Input

| Adm | Input Parameters  |
|-----|---|
| ARM |  <input type="button" value="Use as Input"/> <input type="button" value="Display Input Parameters"/> |

Job Output (click to hide)

Job Output



Power Sum (dB μV/m): 43.5

| Site Name | Freq. (MHz) | Dist. (km) | Bearing(°) | FS (dB μV/m) |
|-----------|-------------|------------|------------|--------------|
| Site 1    | 186         | 30.7       | 105        | 6.8          |
| Site 2    | 186         | 8.2        | 168        | 43.5         |



En savoir plus lors de la présentation de Propagation !

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



## eMIFR: on-line query for terrestrial services

Readonly daily copy of the MIFR database (last update: 12 Oct 2022 03:10:02)

MIFR (Broadcasting)  MIFR (FXM)  MIFR (All)

### Selection Criteria

Administration

Geographic Area

Notice Type

Class of Station

Administration

>> >

AFG  
AFS  
AGL  
ALB  
ALG  
ARG  
ARM  
ARS  
ATG  
AUS  
AUT

< <<

Frequency Unit

kHz

Fmin

Fmax

Consider Bandwidth

BR Assign Id (From)

BR Assign Id (To)

Unique Id. code given by Administration

Site Name

Date of Receipt (From)

Date of Receipt (To)

Status

Recorded  Pending

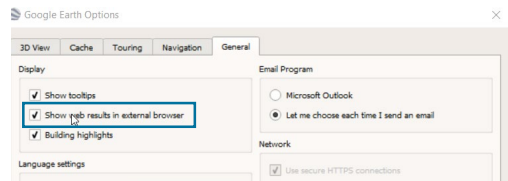
Apply filter

## MIFR (Broadcasting)

 Export to Excel   Export to PDF   **Google Earth**   Print
Showing 1 to 50 of 178 entries   Show **50** entriesSearch: 

| BR Id                     | Adm | Geo Area | Site Name   | Location                   | Assigned Frequency (MHz) | Intent   | Notice Type | StnCls | Tran Sys |
|---------------------------|-----|----------|-------------|----------------------------|--------------------------|----------|-------------|--------|----------|
| <a href="#">080017007</a> | ALB | ALB      | KORCE       | 020°48'00" E - 40°36'00" N | 0.963                    | RECORDED | 1A2         | BC     |          |
| <a href="#">080017155</a> | ALB | ALB      | KUKES       | 020°23'00" E - 42°09'00" N | 0.99                     | RECORDED | 1A2         | BC     |          |
| <a href="#">080018710</a> | ALB | ALB      | GJIROKASTER | 020°10'00" E - 40°04'00" N | 1.305                    | RECORDED | 1A2         | BC     |          |
| <a href="#">080018847</a> | ALB | ALB      | SHKODER     | 019°30'00" E - 42°06'00" N | 1.323                    | RECORDED | 1A2         | BC     |          |
| <a href="#">080019037</a> | ALB | ALB      | TIRANE      | 019°51'00" E - 41°18'00" N | 1.359                    | RECORDED | 1A2         | BC     |          |
| <a href="#">080019261</a> | ALB | ALB      | LUSHNJE     | 019°40'00" E - 40°57'00" N | 1.395                    | RECORDED | 1A2         | BC     |          |
| <a href="#">114048787</a> | ALB | ALB      | GLL16       | 019°59'02" E - 40°29'26" N | 198.5                    | RECORDED | GT1         | BT     | F3       |
| <a href="#">114048785</a> | ALB | ALB      | KER16       | 020°07'53" E - 40°04'25" N | 198.5                    | RECORDED | GT1         | BT     | F3       |

Please modify settings for appropriate navigation from Google Earth



FXM

FMTV

LFMF

|                               |       |                           |  |
|-------------------------------|-------|---------------------------|--|
| Assigned Frequency (kHz)      | 357   | Nature of Service         |  |
| Reference (Carrier) Frequency |       | Frequency deviation (MHz) |  |
| Class of Emission             | A3E-- | Energy dispersal (MHz)    |  |
| Bandwidth Code                |       |                           |  |

**Station and Site Information**

Site Name  
Class of station  
Station Type  
Geographical Type  
Zone ID

**Operations**

**Operation 1**

General Characteristics  
Power Type  
Power to the Antenna (dBW)  
Radiated Power (dBW)  
Maximum Antenna Gain (dB)  
Maximum Gain Toward the Local Horizon  
Gain Type  
Maximum Power Density (dBW/Hz)

**Receiving Station Information**

RX1  
Site Name  
Geographic Area  
Region

**Site Characteristics**

Transmitting Antenna Site Name  
Geographic Area  
.longitude  
.latitude  
Altitude of site above sea level (m)

**Emission Characteristics**

Assigned Frequency (MHz)  
Bandwidth (kHz)  
Frequency Block  
TV channel  
Antenna Directivity  
Polarization  
Height of Antenna Above Ground Level (m)  
Maximum Effective Antenna Height (m)

**Effective Antenna Height(m)**

**Remarks**

remarks (ITU)  
Updated MIFR assignment to be kept (AN- H X)

remarks (Administration)

|                                  |             |  |        |
|----------------------------------|-------------|--|--------|
| <b>Administrative</b>            |             |  |        |
| <b>Technical Characteristics</b> |             |  |        |
| Region                           | 1           | Assigned Frequency (kHz)                 | 657    |
| Geographic Area                  | I           | Ground Conductivity(mS/m)                | 3      |
| Transmitting Antenna Site Name   | TORINO      | Synchronization Network                  | I_657  |
| .longitude                       | 7° E 44' 0" | Noise Zone                               | A      |
| .latitude                        | 45° N 2' 0" |  |        |
| <b>Day Time Operation</b>        |             |  |        |
| Carrier Power (kW)               | 50.11872    | Azimuth of Maximum Radiation(°)          |        |
| Bandwidth (kHz)                  | 9           | Maximum Radiation (dB)                   | 17.4   |
| Antenna Type                     | A           | Effective Monopole Radiated Power (kW)   |        |
| Class of Emission                | A3E--       | Height of Antenna Above Ground Level (m) | 80     |
| Transmission System              | ANALOG      | Hours of operation                       | 0-2400 |
| Adjacent Protection Ratio (dB)   |             |  |        |
| <b>Night Time Operation</b>      |             |  |        |
| Carrier Power (kW)               | 50.11872    | Azimuth of Maximum Radiation(°)          |        |
| Bandwidth (kHz)                  | 9           | Maximum Radiation (dB)                   | 17.4   |
| Antenna Type                     | A           | Effective Monopole Radiated Power (kW)   |        |
| Class of Emission                | A3E--       | Height of Antenna Above Ground Level (m) | 80     |
| Transmission System              | ANALOG      | Hours of operation                       | 0-2400 |
| Adjacent Protection Ratio (dB)   |             |  |        |
| <b>Findings Information</b>      |             |  |        |



- **Développement d'outils de calculs pour GE75 et affichage des résultats de coordination détaillés**
- **Développement d'outils plus centrés sur l'utilisation des cartes numériques**

Connectez-vous à la plateforme [eTerrestrial](#).

Si vous n'avez pas de compte TIES, utilisez le compte générique:

nom d'utilisateur : user1 | mot de passe : user1

Explorez les outils disponibles (myAdmin : accès limité aux points focaux uniquement)

## Exercise n. 1: eQry

1. Définissez des critères de sélection pour les plans des notices publiés ou des assignations enregistrées pour votre administration
2. Récupérez les données
3. Parcourez les informations récapitulatives et les détails des assignations
4. Visualisez les details de la notice/assignation
5. Exportez les informations vers Excel / Google Earth



## Exercise n. 2: ePub

1. Consultez les informations concernant les Sections Spéciales d'un plan de votre choix
  - Parcourez les administrations affectées/notificatrices
  - Parcourez les informations récapitulatives et les détails des notices / assignations
2. Sélectionnez votre Administration
  - Pour le Plan de votre choix, retrouvez les Sections Spéciales qui incluait vos modifications ou notifications affectant votre Administration
3. Si vous êtes un point focal, vérifiez que vous avez bien reçu la notification par e-mail vous informant des nouvelles publications

## Exercise n. 3: ePropagations

1. Lisez la clause de non-responsabilité (Disclaimer) pour vous assurer de bien comprendre la portée et les limites de l'outil
2. Consultez le lien Documentations
3. Soumettez un Calcul de propagation P1812 P2P ou P1546 P2A
4. Affichez les résultats lorsque le calcul est terminé (un e-mail sera envoyé à votre compte e-mail)
5. Partagez le Calcul avec un ou plusieurs de vos voisins. Vérifiez qu'ils peuvent accéder au Calcul.
6. Supprimez un Calcul s'il ne vous intéresse plus.

## Exercise n. 4: myAdmin

Point Focal  
uniquement

- a. Êtes-vous un point focal? Si vous êtes impliqué dans la procédure de modification des plans, vous devez certainement être un point focal !
- b. Vérifiez que vous avez accès à myAdmin
- c. Consultez votre boîte aux lettres
  1. Y'a-t-il une correspondance provenant du BR ?
    - i. Familiarisez-vous avec les informations fournies. Cliquez sur le lien Document et ouvrez le fichier pdf.
    - ii. Avez-vous un article en rouge? Qu'est-ce que ça signifie ?
- d. Vérifiez si vous avez reçu des notifications par e-mail concernant les données de coordination, les nouvelles Sections Spéciales et les nouveaux documents concernant vos dernières publications (depuis le 15 septembre 2016).

# Merci!

ITU – Bureau des Radiocommunications

Questions à [brbcd@itu.int](mailto:brbcd@itu.int)