# Workshop on RJ81

*Michèle Coat Degert*
*Radiocommunication Bureau*

International Telecommunication Union

# MF Sound broadcasting station (RJ81)

- Prepare an electronic notice file of frequency 840 kHz assigned to an MF broadcasting station for its recording in Part A in the RJ81 Special Section.

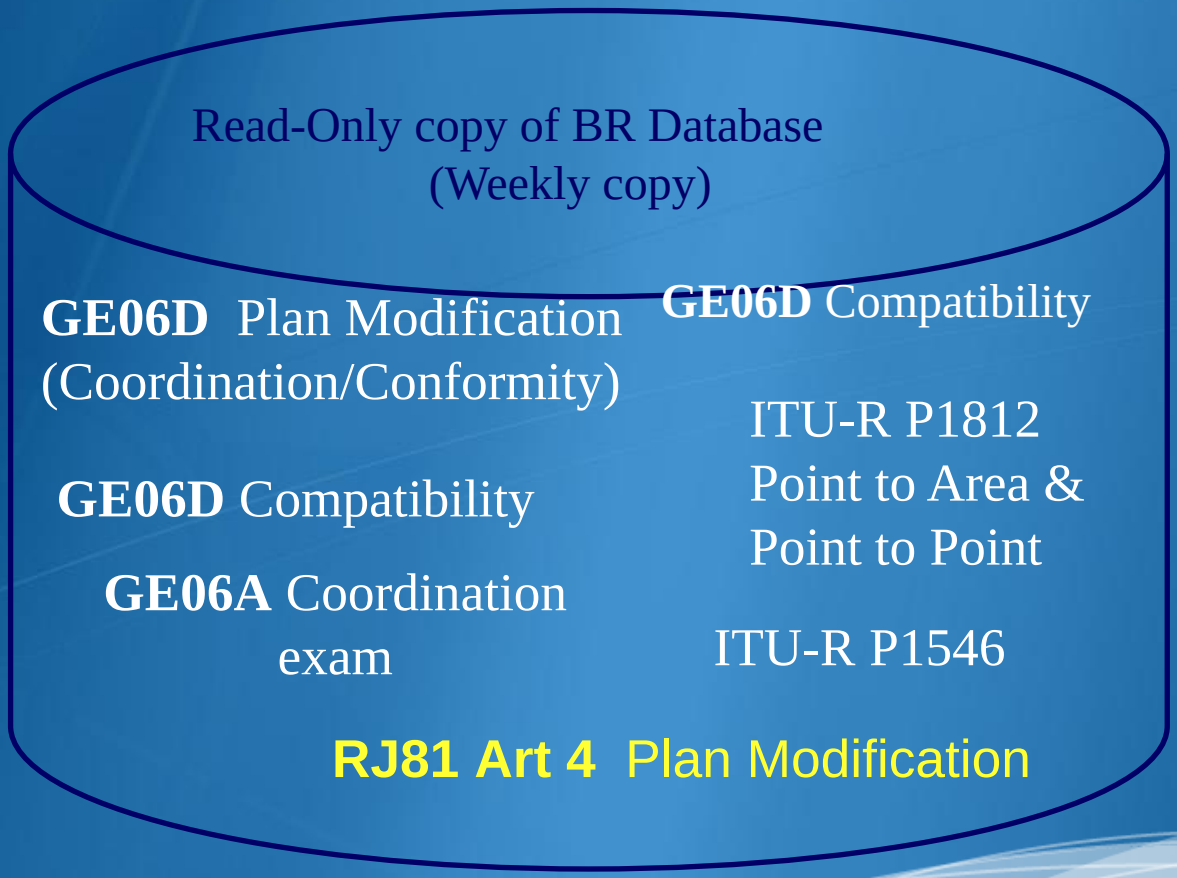
| | |
|---|---|
| **Transmitting antenna site name** | **NEIVA 4** |
| **Coordinates of the transmitting antenna site** | **75° 20'00"W - 2° 52'00"N** |
| **RJ81 Plan class** | **B** |
| *Day-time operation* | |
| **Power to the antenna for day time operation** | **15 kW** |
| **Antenna type** | **A** |
| **Necessary bandwidth** | **10 kHz** |
| **Class of emission** | **A3E** |
| **RMS radiation (field strength)** | **1189.89 mV/m 1 km** |
| **Electric height** | **85°** |
| **Transmission system** | **ANALOG** |
| *Night-time operation* | |
| **Power to the antenna for night time operation** | **15 kW** |
| **Antenna type** | **A** |
| **Necessary bandwidth** | **10 kHz** |
| **Class of emission** | **A3E** |
| **RMS radiation (field strength)** | **1198.5 mV/m 1 km** |
| **Electric height** | **85°** |
| **Transmission system** | **ANALOG** |

# submission to eBCD

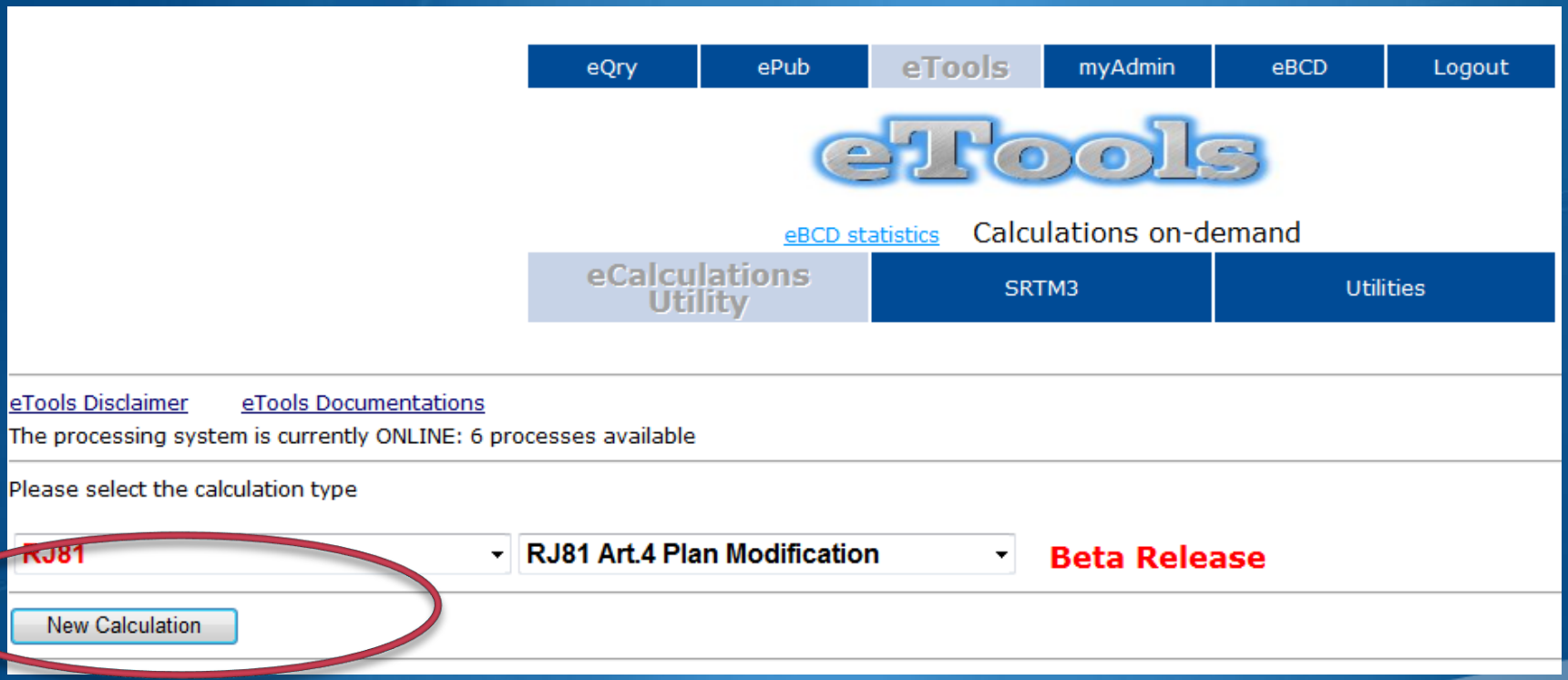
- Submit the Notice file to ***eBCD*** at:
  http://www.itu.int/ITU-R/terrestrial/broadcast/index.html

"On-demand test calculations"

# A few words about eTools



# eTools

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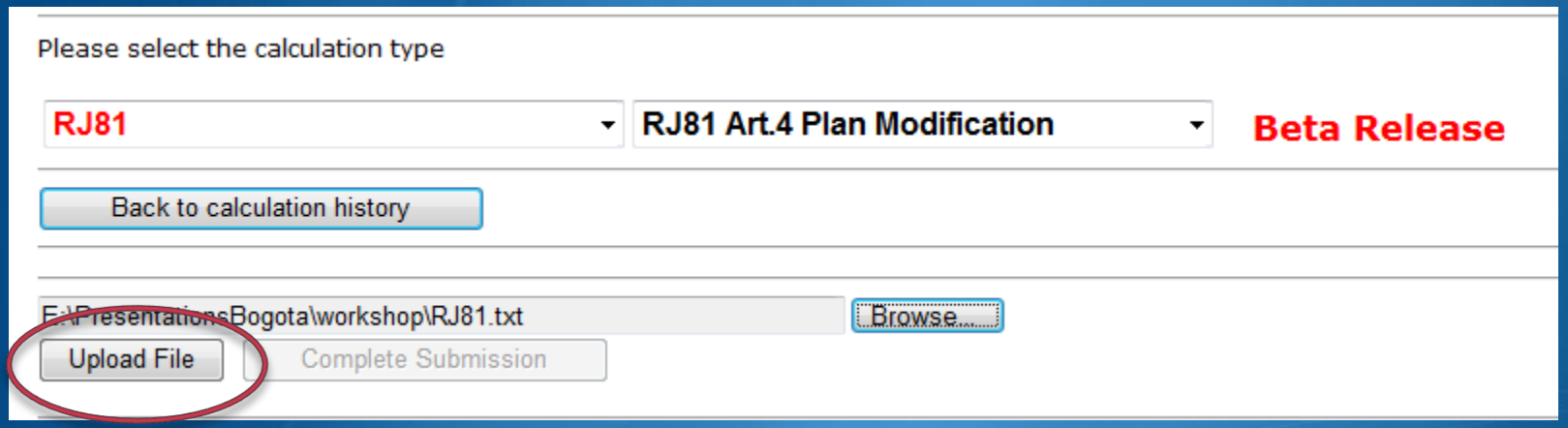
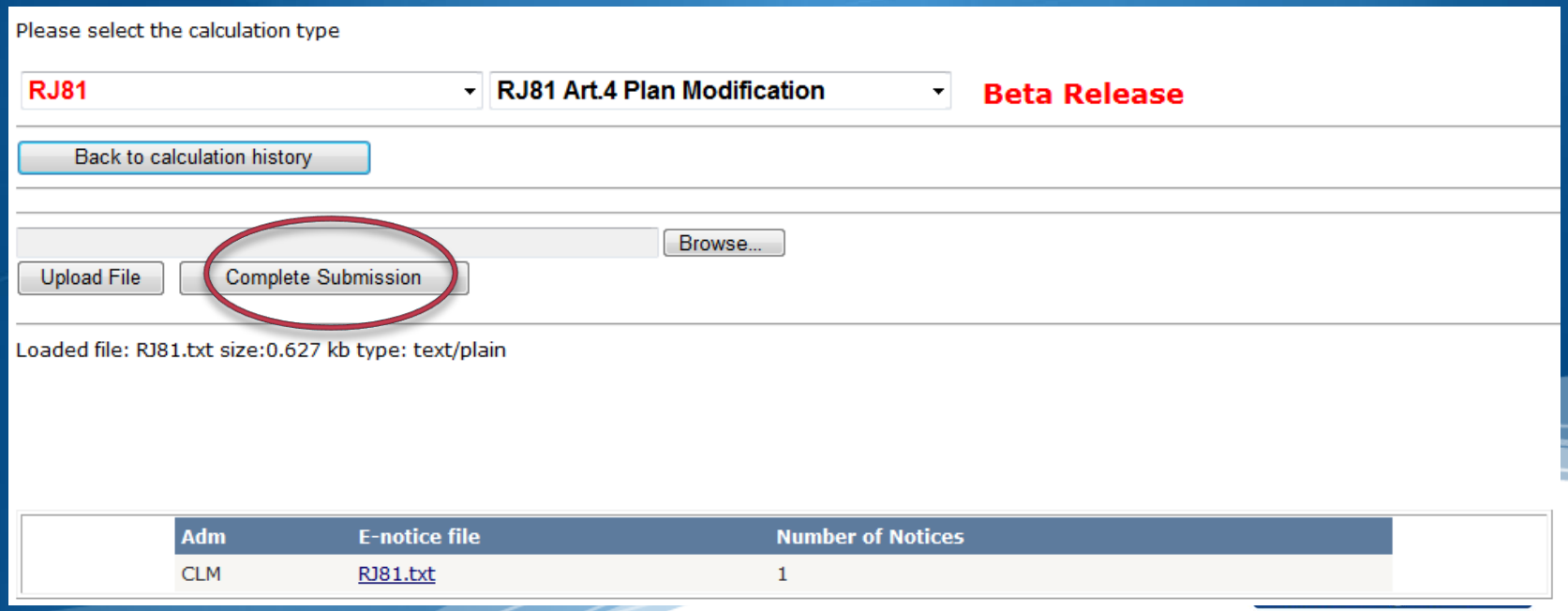
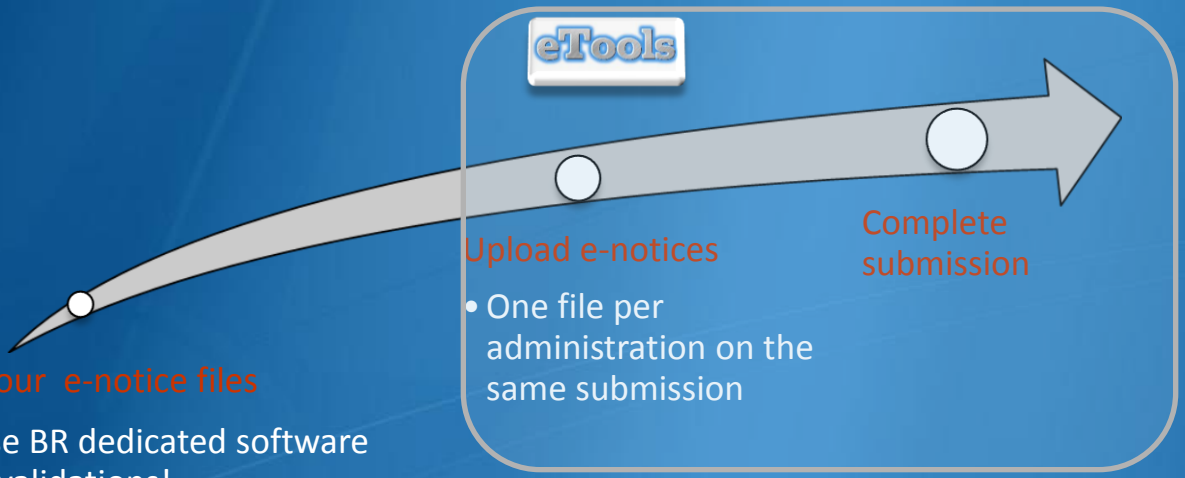
# eTools : e-notice Submission



# eTools: e-notice submission




Validate your e-notice files

- Please use BR dedicated software tools for validations!

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

Check your TIES account!

yourTIESname@ties.itu.int

# eTools: job processing

Pending → Process → Success / Failed

Please select the calculation type

RJ81 | RJ81 Art.4 Plan Modification

Back to calculation history

New Submission

The following package has been submitted You will receive an E-mail notification at degert@ties.itu.i

**Job summary** Cancel job Share

| job id | job name | job status |
|---|---|---|
| 10477 | ResolveListB | Pending |

**Job Input**

| Adm | E-notice file | Number of Notices |
|---|---|---|
| CLM | RJ81_CLM_ListB.txt | 1 |

Jobs History for user: degert

Test Packages 10456: click to show all

**Job summary** Delete Share

| job id | job name | job status |
|---|---|---|
| 10456 | sestacov_0 | Success |

**Job Input**

| Adm | E-notice file | Number of Notices |
|---|---|---|
| CLM | RJ81_es.txt | 1 |

**Job Output**

| Proposed Modification | Affected Administrations |
|---|---|
| 1180kHz_NEIVA 4 | EQA VEN CTR |

Select the proposed modification | Select the affected protected station: All

sw_BC

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1180 | CLM | NEIVA 4 | B | 081003734 | 1180 | EQA | CUENCA 1 | C | B | N | 0 | 25 | Z | 13.64 | 8.71 | 13.64 | 16.19 | |
| 1 | 1180 | CLM | NEIVA 4 | B | 081003734 | 1180 | EQA | CUENCA 1 | C | B | N | 20 | 14 | Z | 13.64 | 8.62 | 13.64 | 16.14 | |
| 1 | 1180 | CLM | NEIVA 4 | B | 081003734 | 1180 | EQA | CUENCA 1 | C | B | N | 40 | 11 | Z | 13.64 | 8.59 | 13.64 | 16.12 | |
| 1 | 1180 | CLM | NEIVA 4 | B | 081003734 | 1180 | EQA | CUENCA 1 | C | B | N | 60 | 10 | Z | 13.64 | 8.58 | 13.64 | 16.12 | |
| 1 | 1180 | CLM | NEIVA 4 | B | 081003734 | 1180 | EQA | CUENCA 1 | C | B | N | 80 | 6 | Z | 13.64 | 8.51 | 13.64 | 16.08 | |

Jobs History for user: degert

Test Packages 10466: click to show all

**Job summary** Delete Share

| job id | job name | job status |
|---|---|---|
| 10466 | Mod | Failed |

**Job Input**

| Adm | E-notice file | Number of Notices |
|---|---|---|
| CLM | CLM_Mod_ClassB.txt | 1 |

**Job Output: ERROR**

```
Possible problem with input data file. Empty file!
C:\Temp\GE06Examinator\GE06Examinator1\RJ81Processing\Validation\sort.tex
```

In case of failure, check the error

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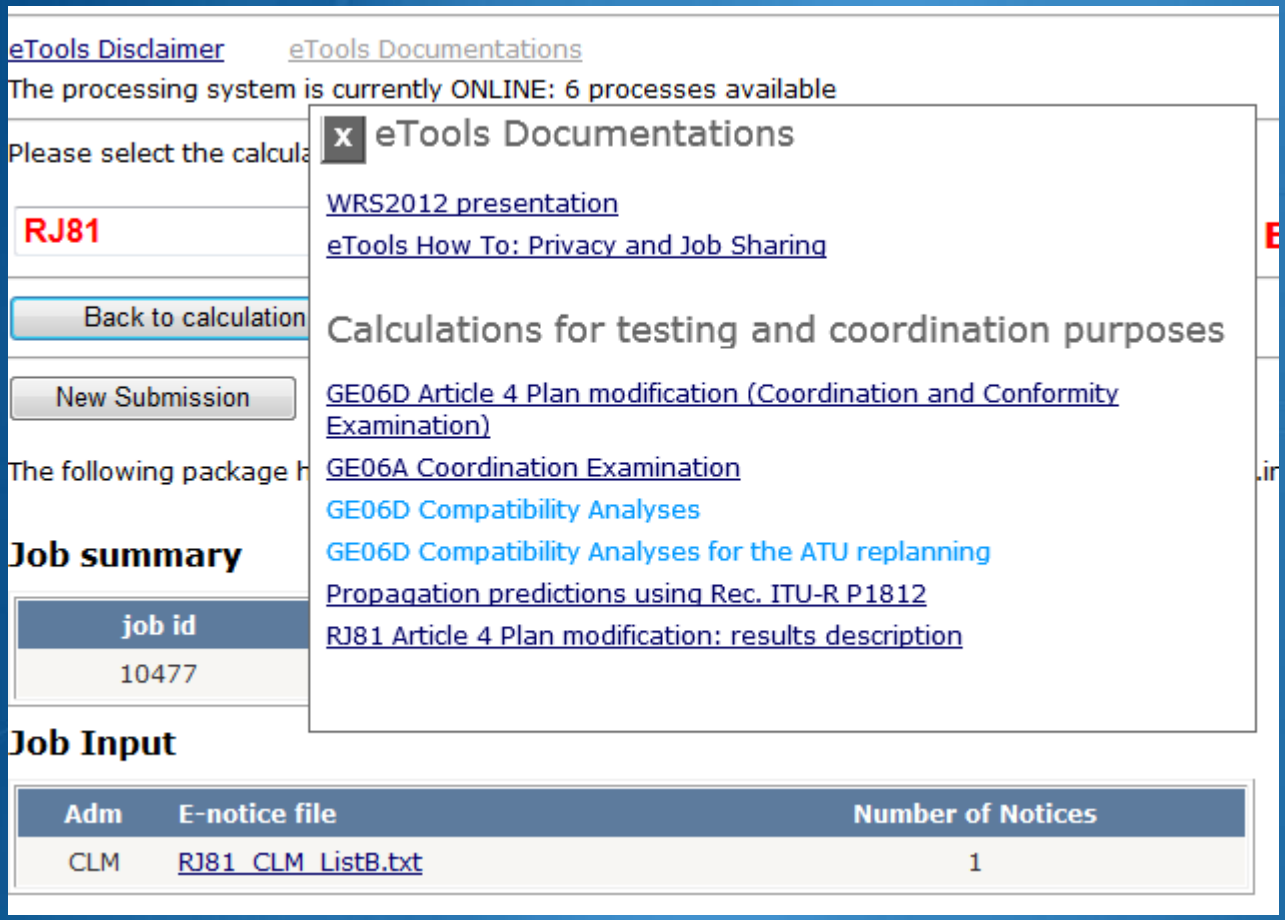
# eTools: privacy & job sharing

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

…you can now share them with other eBCD registered users!

# eBCD

- Analyse the results (cf documentation online)




- Try to resolve the incompatibilities

# eTools: back-end infrastructure

- Six independent processes currently available in ITU servers
- System can upscale  easily according to computing demand

# Questions?

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