

# *Workshop on RJ81*

*Michèle Coat Degert  
Radiocommunication Bureau*

# MF Sound broadcasting station (RJ81)

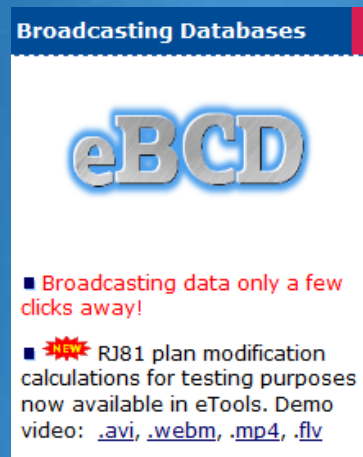
- Prepare an electronic notice file of frequency 840 kHz assigned to an MF broadcasting station for its recording in Part A in the RJ81 Special Section.

Transmitting antenna site name	NEIVA 4
Coordinates of the transmitting antenna site	75° 20'00"W - 2° 52'00"N
RJ81 Plan class	B
<i>Day-time operation</i>	
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
<i>Night-time operation</i>	
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

Read-Only copy of BR Database  
(Weekly copy)

**GE06D** Plan Modification  
(Coordination/Conformity)

**GE06D** Compatibility

**GE06D** Compatibility

ITU-R P1812  
Point to Area &  
Point to Point

**GE06A** Coordination  
exam

ITU-R P1546

**RJ81 Art 4** Plan Modification

# eTools

[eQry](#)[ePub](#)[eTools](#)[myAdmin](#)[eBCD](#)[Logout](#)

## eTools

[eBCD statistics](#)

Calculations on-demand

[eCalculations  
Utility](#)[SRTM3](#)[Utilities](#)[eTools Disclaimer](#)[eTools Documentations](#)

The processing system is currently ONLINE: 6 processes available

Please select the calculation type

[RJ81](#)[RJ81 Art.4 Plan Modification](#)**Beta Release**[New Calculation](#)

# *eTools : e-notice Submission*

Please select the calculation type

**RJ81** **RJ81 Art.4 Plan Modification** **Beta Release**

[Back to calculation history](#)

F:\PresentationsBogota\workshop\RJ81.txt [Browse...](#)

[Upload File](#) [Complete Submission](#)

Please select the calculation type

**RJ81** **RJ81 Art.4 Plan Modification** **Beta Release**

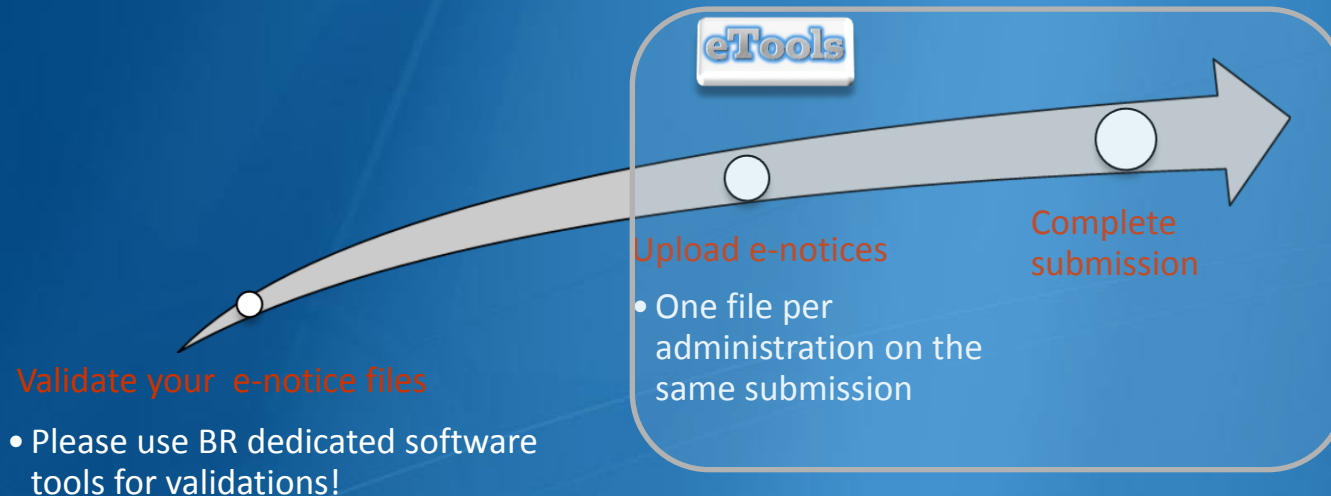
[Back to calculation history](#)

[Upload File](#) [Complete Submission](#) [Browse...](#)

Loaded file: RJ81.txt size:0.627 kb type: text/plain

Adm	E-notice file	Number of Notices
CLM	<a href="#">RJ81.txt</a>	1

# *eTools: e-notice submission*



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



Check your TIES account!

[yourTIESname@ties.itu.int](mailto: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.

**Job summary**

[Cancel job](#)

[Share](#)

job id	job name	job status
10477	ResolveListB	Pending

**Job Input**

Adm	E-notice file	Number of Notices
CLM	<a href="#">RJ81 CLM ListB.txt</a>	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	<a href="#">RJ81 es.txt</a>	1

**Job Output**

Proposed Modification	Affected Administrations
1180kHz_NEIVA 4	EQA VEN CTR

number	Frequency Assigned (kHz)	Country	Station Name	Class of Station	RR 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	<a href="#">CLM Mod_ClassB.txt</a>	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



# *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!



- Analyse the results (cf documentation online)

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

The processing system is currently ONLINE: 6 processes available

Please select the calculation:

**RJ81**

[Back to calculation](#)

[New Submission](#)

The following package has been submitted:

**Job summary**

job id
10477

**Job Input**

Adm	E-notice file	Number of Notices
CLM	<a href="#">RJ81_CLM_ListB.txt</a>	1

**eTools Documentations**

[WRS2012 presentation](#)

[eTools How To: Privacy and Job Sharing](#)

**Calculations for testing and coordination purposes**

[GE06D Article 4 Plan modification \(Coordination and Conformity Examination\)](#)

[GE06A Coordination Examination](#)

[GE06D Compatibility Analyses](#)

[GE06D Compatibility Analyses for the ATU replanning](#)

[Propagation predictions using Rec. ITU-R P1812](#)

[RJ81 Article 4 Plan modification: results description](#)

- 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



Pilot-project to  
integrate external  
cloud resources

# Questions?

