

# ASMG-ITU GE06 COORDINATION

Creation of GE06 electronic notices,  
Validation  
and Compatibility Analysis

# Find a channel process



# TerRaNotices

- Capabilities of Creation of electronic notices
- Extraction of existing notices from BR IFIC
- Validation of electronic notice files
  
- Main new features Ability to read data from SQLite format
- Ability to be executed without being installed

# Prepare and validate an electronic notice file using TerRaNotices



- Select one of your assignments/allotments under consideration with a channel you wish to modify i.e. assigning ch. 35 instead of ch. 69

TerRaNotices 1.2 (PROD) - [TUN\_ADD\_plan\_it6.txt - GT1]

File Tools View Language Options Window Help

Notice browser

Notice type	Description
TUN_ADD_plan...	
Head section	TUN
✓ GT1 ADD	NPU_BIADHA_01
✓ GT1 ADD	NPU_REMADA_01
✓ GT1 ADD	NPU_MDHILLA_01
✓ <b>GT1 ADD</b>	<b>NPU_MDHILLA_02</b>
✓ GT1 ADD	NPU_MDHILLA_03
✓ GT1 ADD	NPU_REDEYEF_01
✓ GT1 ADD	NPU_REDEYEF_02
✓ GT1 ADD	NPU_REDEYEF_03

ID1/ Assignment's unique identifier: NPU\_MDHILLA\_02

ID3/ Unique identifier of the corresponding plan assignment: [Empty]

Page: 1

**GT1**

Fragment:  Article 11  GE06D

Type of notification:  E/ Resubmission  Apply 4.1.2.5 procedure

Notification intended for:  Addition  Modification

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

12B/ Address code: [Empty] 10B/ Regular hours of operation (UTC): From [Empty] To [Empty]

Assignment characteristics | Antenna characteristics

Station information

4A/ Antenna site name: MDHILLA 4B/ Geographic area: TUN 4C/ Longitude: 8° 45' 0" E Latitude: 34° 17' 21" N 9EA/ Altitude of site above sea level: 260 m 3A1/ Call sign: [Empty]

Emission characteristics

9D/ Polarization: H 8BH/ Horizontal e.r.p.: 27 dBW 7H/ Reference planning configuration: RPC1 8BT/ Maximum e.r.p. at Beam tilt angle: [Empty] dBW

1E0/ Onset: [Empty] kHz 7J/ Type of spectrum mask: N 8BV/ Vertical e.r.p.: [Empty] dBW 7K/ Receive mode: [Empty] 7C1/ TV System: [Empty] 9S/ Beam tilt angle: [Empty] Deg

Antenna characteristics

9/ Antenna directivity: D 9EB/ Maximum Effective Antenna Height: 134 m 9E/ Height of Antenna Above Ground Level: 50 m

Digital plan entry parameters

DEC/ Plan entry: 2 DAC/ Assgn. code: Linked SYNC/ SFN id: Gafsa2

associated allotment

ID2/ Unique identifier: [Empty] SFN id: [Empty]

SRTM3

GT1

Notice browser

Notice type	Description
<ul style="list-style-type: none"> <li>Head section TUN</li> <li>✓ GT1 ADD NPU_BIADHA_01</li> <li>✓ GT1 ADD NPU_REMADA_01</li> <li>✓ GT1 ADD NPU_MDHILLA_01</li> <li>✓ <b>GT1 ADD NPU_MDHILLA_02</b></li> <li>✓ GT1 ADD NPU_MDHILLA_03</li> <li>✓ GT1 ADD NPU_REDEYEF_01</li> <li>✓ GT1 ADD NPU_REDEYEF_02</li> <li>✓ GT1 ADD NPU_REDEYEF_03</li> </ul>	

ID1/ Assignment's unique identifier

NPU\_MDHILLA\_02

Page: 1

Fragment:  Article 11  GE06D

Type of notification:  E/ Resubmission  Apply 4.1.2.5 procedure

Notification intended for:  Addition  Modification

12A/ Operating agency:

2C/ Date of bringing into use:

12B/ Address code:

10B/ Regular hours of operation (UTC): From  To

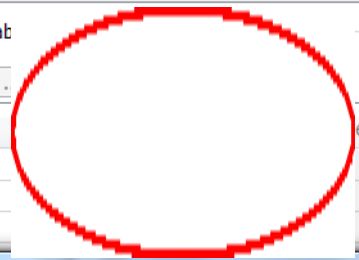
Assignment characteristics

9EC/ Table of Effective Height

Height (m)	
0°	82
10°	72
20°	69
30°	72
40°	65
50°	59
60°	74
70°	84
80°	78
90°	64
100°	54
110°	58
120°	52
130°	42
140°	29
150°	21
160°	31
170°	45
180°	37
190°	25
200°	-5
210°	-42
220°	-21
230°	46
240°	57
250°	71
260°	92
270°	109

9NH/ Horizontal Polarization

Attenuation (dB)	
0°	10
10°	6.5
20°	4
30°	2.2
40°	1
50°	0
60°	0.1
70°	0.5
80°	1
90°	2
100°	4
110°	6
120°	8
130°	10
140°	14
150°	18
160°	10
170°	8
180°	8
190°	11
200°	12
210°	13
220°	14
230°	15
240°	16
250°	20
260°	20
270°	20



TUN\_ADD\_plan\_it6.txt - GT1

Input  
 Longitude: 8° 45' 0" E Latitude: 34° 17' 21" N Height of Antenna Above Ground Level: 50 m

Output  
<http://www.itu.int/online/SRTM3/eff.hgt.srtm3?LON=84500&LAT=341721&HGT=50&ADM=TUN&SIT=MDHILLA&EAH=EFFHGT>

**BRTSD eff\_hgt de/from SRTM3**

Date: Fri Sep 5 15:12:47 CEST 2014  
 Adm TUN Site MDHILLA

```

t_long=+0084500
t_lat=+341721
t_hgt_agl = 50
t_site_alt = 268
t_eff_hgtmax = 128
<ANT_HGT>
t_eff_hgt@azm000 = 75
t_eff_hgt@azm010 = 65
t_eff_hgt@azm020 = 62
t_eff_hgt@azm030 = 65
  
```

Data  
 Altitude of site above sea level: 268 m  
 Maximum Effective Antenna Height: 128 m

Table of Effective Height

Height (m)	
0°	75
10°	65
20°	62
30°	65
40°	61
50°	53
60°	67
70°	77
90°	71

# Adding the agreement in the notice

TerRaNotices 1.2 (PROD) - [TUN\_ADD\_plan\_it6.txt\* - GT1\*]

File Tools View Language Options Window Help

Notice browser

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Head section	TUN
✓ GT1 ADD	NPU_BIADHA_01
✓ GT1 ADD	NPU_REMADA_01
✓ GT1 ADD	NPU_MDHILLA_01
<b>GT1 ADD*</b>	<b>NPU_MDHILLA_02</b>
✓ GT1 ADD	NPU_MDHILLA_03
✓ GT1 ADD	NPU_REDEYEF_01
✓ GT1 ADD	NPU_REDEYEF_02
✓ GT1 ADD	NPU_REDEYEF_03

ID1/ Assignment's unique identifier: NPU\_MDHILLA\_02

ID3/ Unique identifier of the corresponding plan assignment: [Empty]

Page: 1

**GT1**

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

12B/ Address code: [Empty] 10B/ Regular hours of operation (UTC): From [Empty] To [Empty]

Assignment characteristics: **Antenna characteristics**

Station information

4A/ Antenna site name: MDHILLA 4B/ Geographic area: TUN 4C/ Longitude: 8° 45' 0" E Latitude: 34° 17' 21" N 9EA/ Altitude of site above sea level: 260 m 3A1/ Call sign: [Empty]

Emission characteristics

1A/ Assigned frequency: 586 MHz 9D/ Polarization: H 8BH/ Horizontal e.r.p.: 27 dBW 7H/ Reference planning configuration: RPC1 8BT/ Maximum e.r.p. at Beam tilt angle: [Empty] dBW

1EO/ Offset: [Empty] kHz 7J/ Type of spectrum mask: N 8BV/ Vertical e.r.p.: [Empty] dBW 7K/ Receive mode: [Empty] 7C1/ TV System: [Empty] 9S/ Beam tilt angle: [Empty] Deg

Antenna characteristics

9/ Antenna directivity: D 9EB/ Maximum Effective Antenna Height: 134 m 9E/ Height of Antenna Above Ground Level: 50 m

Digital plan entry parameters

DEC/ Plan entry: 2 DAC/ Assgn. code: Linked SYNC/ SFN id: Gafsa2

associated allotment

ID2/ Unique identifier: [Empty] SFN id: [Empty]

Coordination

11C/ Signed commitment 2E/ Expiry date: [Empty]  11D/ Plan remark conditions me

Coordination successfully completed with the following adm

Available administrations	Selected administrations
AFG	
AFS	
AGL	
AI.B	

13C/ Notified remarks: [Empty]

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Couldn't share 'Screenshot 2014-0...19.02.png' The server took too long to respond. Please try again later.

# When submitting official GE06 Plan modification

TerRaNotices 1.2 (PROD) - [TUN\_ADD\_plan\_it6.txt\* - GT1\*]

File Tools View Language Options Window Help

Notice browser

Notice type	Description
TUN_ADD_plan...	TUN
✓ GT1 ADD	NPU_BIADHA_01
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✓ GT1 ADD	NPU_MDHILLA_01
<b>GT1 ADD*</b>	<b>NPU_MDHILLA_02</b>
✓ GT1 ADD	NPU_MDHILLA_03
✓ GT1 ADD	NPU_REDEYEF_01
✓ GT1 ADD	NPU_REDEYEF_02
✓ GT1 ADD	NPU_REDEYEF_03

ID1/ Assignment's unique identifier: NPU\_MDHILLA\_02

ID3/ Unique identifier of the corresponding plan assignment: [Empty]

Page: 1

**GT1**

Fragment:  Article 11  GE06D

Type of notification:  E/ Resubmission  Apply 4.1.2.5 procedure

Notification intended for:  Addition  Modification

Assignment characteristics: **Antenna characteristics**

Station information

4A/ Antenna site name: MDHILLA

4B/ Geographic area: TUN

4C/ Longitude: 8° 45' 0" E

Latitude: 34° 17' 21" N

9EA/ Altitude of site above sea level: 260 m

3A1/ Call sign: [Empty]

Emission characteristics

1A/ Assigned frequency: 586 MHz

9D/ Polarization: H

8BH/ Horizontal e.r.p.: 27 dBW

7H/ Reference planning configuration: RPC1

8BT/ Maximum e.r.p. at Beam tilt angle: [Empty] dBW

1EO/ Offset: [Empty] kHz

7J/ Type of spectrum mask: N

8BV/ Vertical e.r.p.: [Empty] dBW

7K/ Receive mode: [Empty]

7C1/ TV System: [Empty]

9S/ Beam tilt angle: [Empty] Deg

Antenna characteristics

9/ Antenna directivity: D

9EB/ Maximum Effective Antenna Height: 134 m

9E/ Height of Antenna Above Ground Level: 50 m

Digital plan entry parameters

DEC/ Plan entry: 2

DAC/ Assgn. code: Linked

SYNC/ SFN id: Gafsa2

associated allotment

ID2/ Unique identifier: [Empty]

SFN id: [Empty]

Coordination

11C/ Signed commitment

2E/ Expiry date: [Empty]

11D/ Plan remark conditions me

Coordination successfully completed with the following adm

Available administrations	Selected administrations
AFG	
AFS	
AGL	
AIR	

13C/ Notified remarks: [Empty]

ASMG-ITU 2014 Hammamet, Tunisia

Couldn't share 'Screenshot 2014-0...19.02.png' The server took too long to respond. Please try again later.

- Repeat steps 1) to 3) by adding another MODIFY notices as needed.
- Slide and drop to add the notices to the same file.



- Validate the file. Make sure you do not have any errors. Save the file on your computer.

TerRaNotices 1.2 (PROD) - [TUN\_ADD\_plan\_it6.txt - GT1]

File Tools View Language Options Window Help

New file Ctrl+N  
Open file Ctrl+O  
Recent files  
Close  
Close all  
Wizard F2  
Open a notice from the DB  
Open a notice from the DB (Last query)  
Duplicate file  
Duplicate notice  
Insert new notice  
Remove notice  
Edit  
Validate notice  
**Save notice** Ctrl+S  
Save without validation as...  
View generated notice  
Reload file  
View file  
Open containing folder  
Quit

ID3/ Unique identifier of the corresponding plan assignment  
Page: 1

12A/ Operating agency  
12B/ Address code  
2C/ Date of bringing into use  
10B/ Regular hours of operation (UTC)

Type of notification  
 E/ Resubmission  
 Apply 4.1.2.5 procedure  
 Notification intended for  
 Addition  
 Modification ...

Antenna characteristics  
9EC/ Table of Effective Height

Height (m)	Attenuation (dB)
160°	31
170°	45
180°	37
190°	25
200°	-5
210°	-42
220°	-21
230°	46
240°	57
250°	71
260°	92

Tables of Attenuations

9NH/ Horizontal Polarization

Angle	Attenuation (dB)
0°	10
10°	6.5
20°	4
30°	2.2
40°	1
50°	0
60°	0.1
70°	0.5
80°	1
90°	2
100°	4
110°	6
120°	8
130°	10
140°	14
150°	18
160°	10
170°	8
180°	8
190°	11
200°	12
210°	13
220°	14
230°	15
240°	16
250°	20
260°	20

9NV/ Vertical Polarization

Angle	Attenuation (dB)
0°	
10°	
20°	
30°	
40°	
50°	
60°	
70°	
80°	
90°	
100°	
110°	
120°	
130°	
140°	
150°	
160°	
170°	
180°	
190°	
200°	
210°	
220°	
230°	
240°	
250°	
260°	

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## Submit the electronic notice file to eTools for Compatibility Analyses

Login to <http://www.itu.int/ITU-R/eBCD/MemberPages/eCalculations.aspx> .

You need your TIES account, if you do not have one use the following credentials:

username: **user1**

password: **test**

Submit a job by uploading the notice file prepared for the GE06D ASMG Compatibility Analyses. Push the button New Calculation, check the GE06D ASMG Compatibility Analyses option. Browse through your PC and select and upload the electronic notice file (with those of neighboring admin) and submit them.



[ You will be notified in your email account (TIES) when the job complete. You can also monitor the status of your submission by going Back to the calculation history.]

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eCalculations Utility | SRTM3

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The processing system is currently ONLINE: 28 p

Please select the calculation type

**GE06** ▼

- GE06D Art.4 Plan Modification
- GE06A Coordination Examination
- GE06D Compatibility Analyses
- GE06D ATU Compatibility Analyses
- GE06D ASMG Compatibility Analyses**

New Calculation

ASMG-ITU 2014 Hammamet, Tunisia

Refresh

**Download the result file (MS Access mdb format) at job completion and save it to your computer.**

**Unzip the file**

## Analyze the Compatibility Results with GE06Calc

- **Launch GE06Calc**
- **Load the mdb file produced (File → Open compatibility analyses result file...).**
- **Analyze the results.**

**THANK YOU FOR YOUR ATTENTION**