

# TerRaNotices

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# Overview

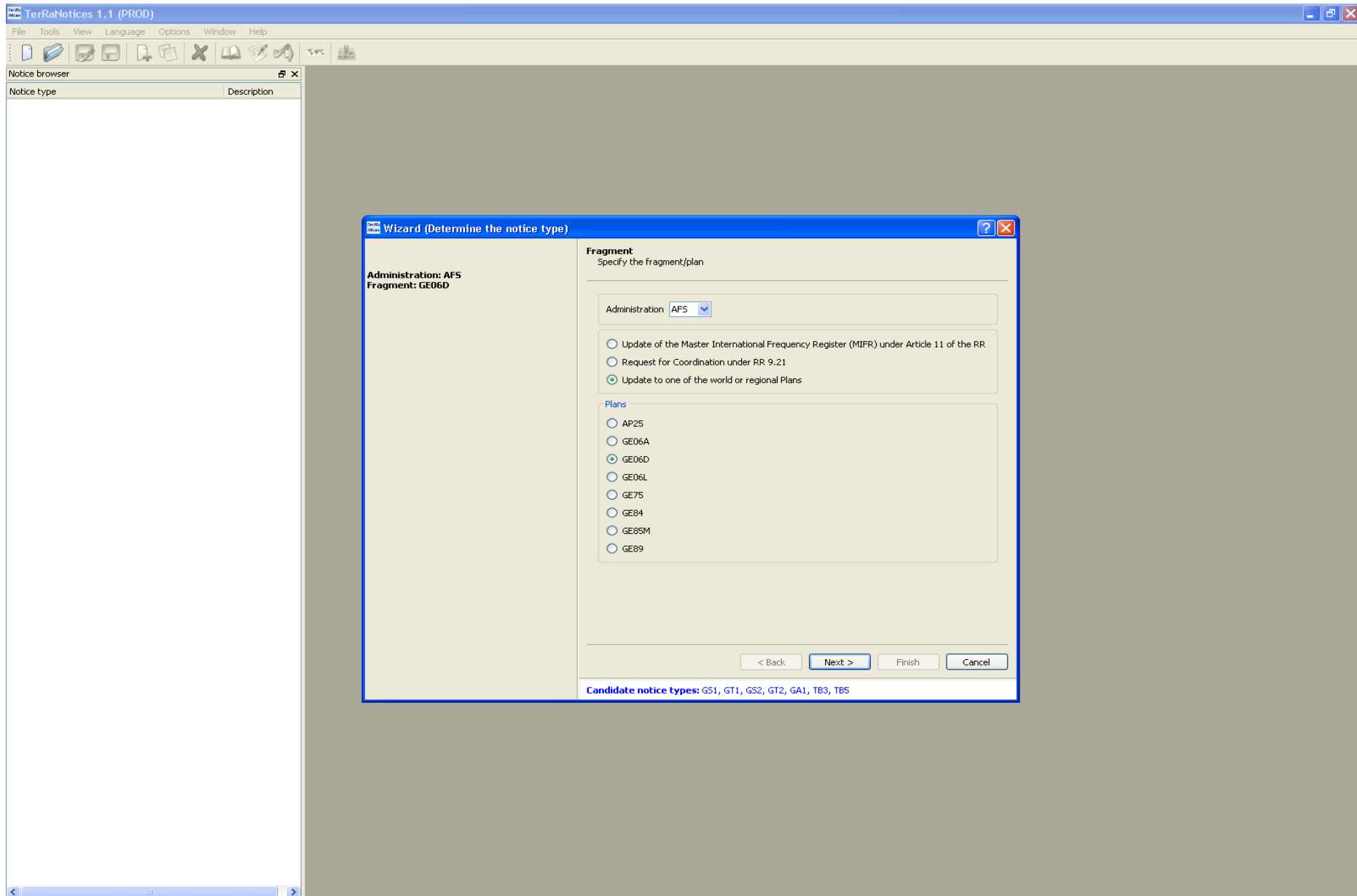
- Creation of electronic notices
- Extraction of existing notices from BR IFIC
- Validation of electronic notice files

Main new features :

- Ability to read data from SQLite format
- Ability to be executed without being installed

# Creation of new electronic notices

File → Wizard



TerRaNotices 1.1 (PROD)

File Tools View Language Options Window Help

Notice browser

Notice type	Description
-------------	-------------

**Wizard (Determine the notice type)**

**Administration: AFS**  
**Fragment: GE06D**  
**Action: ADD**  
**Sub action: ASSIGNMENT**

**Action**  
Specify the action

Action

- ADD
- MODIFY
- SUPPRESS
- PARTB
- WITHDRAW

Sub action

- ASSIGNMENT
- ALLOTMENT
- ALLOTMENT SUB-AREA

< Back   Next >   Finish   Cancel

Candidate notice types: GS1, GT1

TerRaNotices 1.1 (PROD)

File Tools View Language Options Window Help

Notice browser

Notice type	Description
-------------	-------------

**Wizard (Determine the notice type)**

**Administration: AFS**  
**Fragment: GE06D**  
**Action: ADD**  
**Sub action: ASSIGNMENT**  
**Class of station: BT**

**Notice's parameters**  
Specify notice's parameters

Notice's parameters

Class of station: BT

< Back Next > Finish Cancel

Notice type: GT1

# Fill the boxes with site data: geographic coordinates and specifications

TerRaNotices 1.1 (PROD) - [<Untitled>\* - GT1\*]

File Tools View Language Options Window Help

Notice browser: <Untitled>\* Head section GT1ADD\* AFS - 05/07/2013

Notice type: Description

ID1/ Assignment's unique identifier: [Redacted]

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

Fragment: Article 11, GE06D

Type of notification: E/ Resubmission, Apply 4.1.2.5 procedure, Addition, Modification

Notification intended for: [Redacted]

12A/ Operating agency: [Redacted]

2C/ Date of bringing into use: [Redacted]

12B/ Address code: [Redacted]

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

Assignment characteristics: Antenna characteristics

Station information:

4A/ Antenna site name: [Redacted]

4B/ Geographic area: AFS

4C/ Longitude: [Redacted] W

Latitude: [Redacted] N

9EA/ Altitude of site above sea level: [Redacted] m

3A1/ Call sign: [Redacted]

Emission characteristics:

1A/ Assigned frequency: [Redacted] MHz

9D/ Polarization: H

8BH/ Horizontal e.r.p.: [Redacted] dBW

7H/ Reference planning configuration: [Redacted]

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

1E0/ Offset: [Redacted] kHz

7J/ Type of spectrum mask: [Redacted]

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

7K/ Receive mode: [Redacted]

7C1/ TV System: [Redacted]

9S/ Beam tilt angle: [Redacted] Deg

Antenna characteristics:

9/ Antenna directivity: ND

9EB/ Maximum Effective Antenna Height: [Redacted] m

9E/ Height of Antenna Above Ground Level: [Redacted] m

Digital plan entry parameters:

DEC/ Plan entry: [Redacted]

DAC/ Assgn. code: [Redacted]

SYNC/ SFN id: [Redacted]

associated allotment:

ID2/ Unique identifier: [Redacted]

SFN id: [Redacted]

Coordination:

11C/ Signed commitment: 2E/ Expiry date: [Redacted]

Coordination successfully completed with the following administrations:

Available administrations: AFG, ALB, ARG, ANM

Selected administrations: [Redacted]

11D/ Plan remark conditions met: [Redacted]

13C/ Notified remarks: [Redacted]

13 fields are invalid!

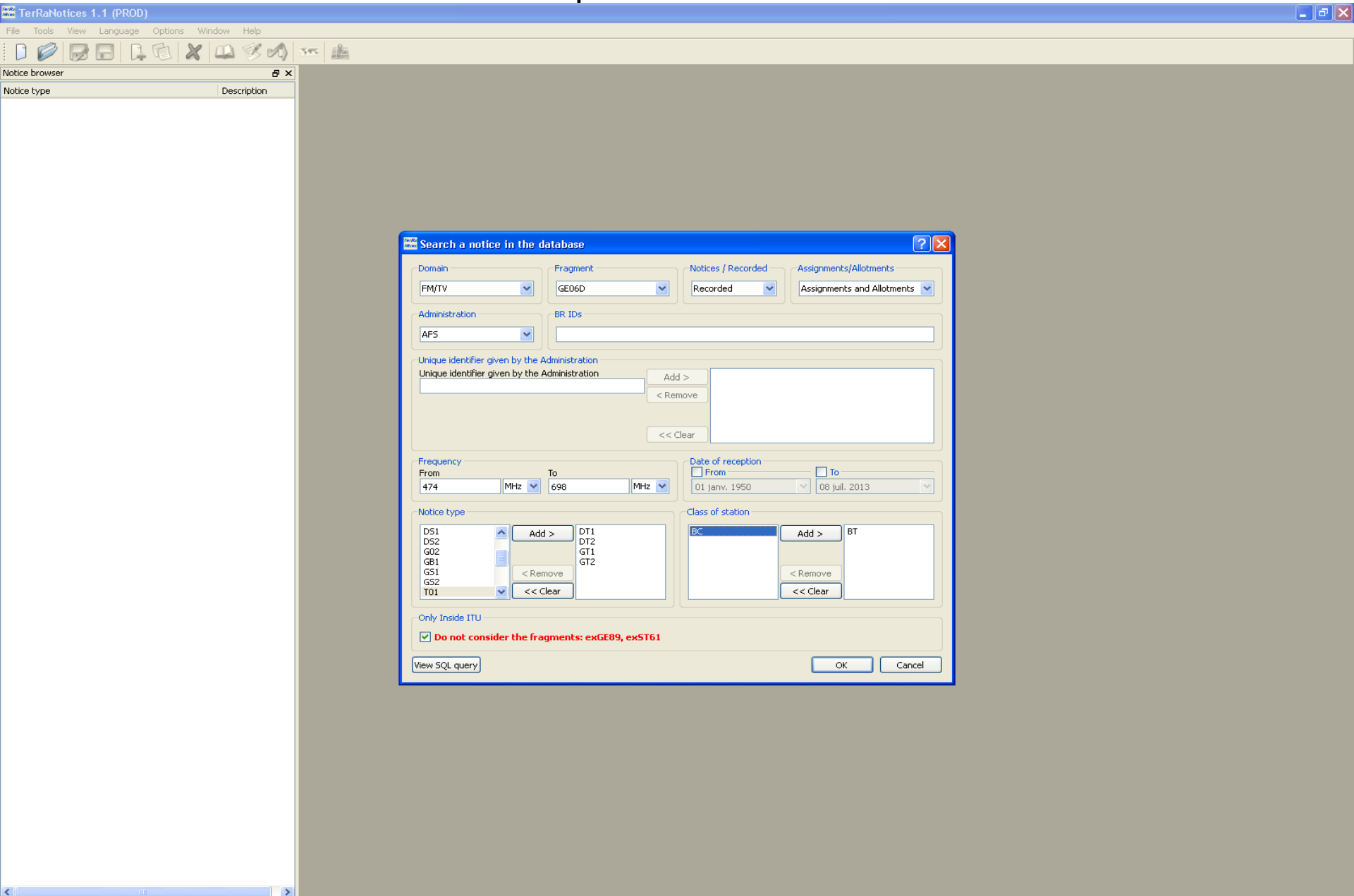
Assignment's unique identifier  
Apply 4.1.2.5 procedure  
Antenna site name  
Geographical coordinates  
Altitude of site above sea level  
Assigned frequency  
Horizontal e.r.p.  
Type of spectrum mask  
Maximum Effective Antenna Height  
Height of Antenna Above Ground Level  
Plan entry  
Assignment code

GT1

start Microsoft Lync ... Inbox - Microsof... Iteration31\_noti... Presentations TerRaW - PROD GE06 Shortcut to GE0... GE06 Processing... Microsoft Power... TerRaNotices 1... EN 17:59

# A notice can also be opened from the database

File → Open the notice from the DB



# Check requirements to display

TerRaNotices 1.1 (PROD)

File Tools View Language Options Window Help

Notice browser

Notice type Description

TerRaNotices

Check all 0 / 672

BR ID	Administration	Fragment	station's unique id	Assigned frequency	Class of station	Notice type	Coordinates	Site name
<input type="checkbox"/> 106536087	AF5	GE06D	444	610	BT	DT1 / RECORDED	18°40'33"E - 33°51'18"S	AMANDA GLEN
<input type="checkbox"/> 106546214	AF5	GE06D	117	682	BT	DT1 / RECORDED	26°26'08"E - 25°37'11"S	GROOT MARICO
<input type="checkbox"/> 106548367	AF5	GE06D	AFS1304389	698	BT	DT1 / RECORDED	29°23'00"E - 25°49'00"S	MIDDELBURG
<input type="checkbox"/> 106544070	AF5	GE06D	114	666	BT	DT1 / RECORDED	18°58'03"E - 34°06'05"S	GRABOUW
<input type="checkbox"/> 106547288	AF5	GE06D	289	690	BT	DT1 / RECORDED	25°13'07"E - 27°08'13"S	SCHWEIZER RENEKE
<input type="checkbox"/> 106547287	AF5	GE06D	AFS1304377	690	BT	DT1 / RECORDED	29°14'00"E - 24°09'00"S	POTGIETERSRUS
<input type="checkbox"/> 106548369	AF5	GE06D	AFS1304378	698	BT	DT1 / RECORDED	25°52'00"E - 25°16'00"S	MOTSWEDI
<input type="checkbox"/> 106534936	AF5	GE06D	378	602	BT	DT1 / RECORDED	28°44'36"E - 31°35'48"S	UMTATA
<input type="checkbox"/> 106539461	AF5	GE06D	AFS1304295	634	BT	DT1 / RECORDED	29°52'00"E - 29°11'00"S	MOOIRIVIER
<input type="checkbox"/> 106538330	AF5	GE06D	86	626	BT	DT1 / RECORDED	28°00'34"E - 31°39'20"S	ENGOBO
<input type="checkbox"/> 106548373	AF5	GE06D	AFS1304380	698	BT	DT1 / RECORDED	25°26'00"E - 33°56'00"S	PORT ELIZABETH
<input type="checkbox"/> 106544078	AF5	GE06D	220	666	BT	DT1 / RECORDED	29°57'12"E - 27°43'07"S	NEWCASTLE
<input type="checkbox"/> 106524056	AF5	GE06D	194	530	BT	DT1 / RECORDED	29°12'42"E - 28°39'41"S	LOSKOP
<input type="checkbox"/> 106524055	AF5	GE06D	187	530	BT	DT1 / RECORDED	27°22'42"E - 29°10'18"S	LADYBRAND
<input type="checkbox"/> 106515096	AF5	GE06D	132	474	BT	DT1 / RECORDED	19°13'18"E - 34°24'47"S	HERMANUS
<input type="checkbox"/> 106548376	AF5	GE06D	AFS1304384	698	BT	DT1 / RECORDED	31°00'00"E - 29°54'00"S	THE BLUFF

OK Refine search



# Calculate Effective antenna heights (eff\_hgt) using the SRMT3 Terrain Database

The screenshot displays the TerRaNotices 1.1 software interface. The title bar reads "TerRaNotices 1.1 (BR IFIC 2746) - [ZWE Iteration14 input.txt - GT1]". The menu bar includes "File", "Tools", "View", "Language", "Options", "Window", and "Help". A toolbar contains various icons, with a red circle highlighting the "SRMT3" icon, which is pointed to by a black arrow. The main window is titled "GT1" and shows a "Notice browser" on the left with a list of notices under "ZWE Iteration...". The selected notice is "GT1... BR2\_ZWEBBG860". The main area displays the configuration for this notice, including "Assignment characteristics" and "Antenna characteristics" tabs. The "Antenna characteristics" tab is active, showing fields for "Station information" (4A/ Antenna site name: BEITBRIDGE, 4B/ Geographic area: ZWE, 4C/ Longitude: 30° 13' 0" E, Latitude: 22° 9' 0" S, 9EA/ Altitude of site above sea level: 630 m, 3A1/ Call sign), "Emission characteristics" (1A/ Assigned frequency: 674 MHz, 9D/ Polarization: H, 8BH/ Horizontal e.r.p.: 40 dBW, 7H/ Reference planning configuration: RPC1, 8BT/ Maximum e.r.p. at Beam tilt angle, 1EO/ Offset, 7J/ Type of spectrum mask: N, 8BV/ Vertical e.r.p.: dBW, 7K/ Receive mode, 7C1/ TV System, 9S/ Beam tilt angle: Deg), "Antenna characteristics" (9/ Antenna directivity: D, 9EB/ Maximum Effective Antenna Height: 244 m, 9E/ Height of Antenna Above Ground Level: 120 m), "Coordination" (11C/ Signed commitment, 2E/ Expiry date, 11D/ Plan remark conditions met), "Coordination successfully completed with the following administrations" (Available administrations: AFG, AFS, AGL, ALB, ALG; Selected administrations), and "13C/ Notified remarks".

TerRaNotices 1.1 (BR IFIC 2746) - [ZWE Iteration14 input.txt - GT1]

File Tools View Language Options Window Help

SRMT3

Notice browser

Notice type Description

ZWE Iteration...

Head se... ZWE

- GT1... BR1\_ZWEBBG860
- GT1... BR2\_ZWEBBG860
- GT1... BR3\_ZWEBBG860
- GT1... BR1\_ZWEBNG8601
- GT1... BR2\_ZWEBNG8601
- GT1... BR1\_ZWE1306007
- GT1... BR1\_ZWECHN860
- GT1... BR2\_ZWECHN860
- GT1... BR3\_ZWECHN860
- GT1... BR4\_ZWECHN860
- GT1... BR1\_ZWE1306019
- GT1... BR1\_ZWECVU860
- GT1... BR2\_ZWECVU860
- GT1... BR3\_ZWECVU860
- GT1... BR4\_ZWE1306073
- GT1... BR1\_ZWEGTUN2
- GT1... BR2\_ZWEGTUN2
- GT1... BR1\_ZWE1306016
- GT1... BR1\_ZWE1306078
- GT1... BR2\_ZWE1306078
- GT1... BR3\_ZWE1306078
- GT1... BR4\_ZWE1306078
- GT1... BR1\_ZWE1306076
- GT1... BR2\_ZWE1306076
- GT1... BR3\_ZWE1306076
- GT1... BR1\_ZWE1306009
- GT1... BR1\_ZWE1306006
- GT1... BR1\_ZWE1306017
- GT1... BR1\_ZWE1306013
- GT1... BR1\_ZWE1306018
- GT1... BR1\_ZWE1306010
- GT1... BR1\_ZWEKTW860
- GT1... BR2\_ZWEKTW860

ID1/ Assignment's unique identifier: BR2\_ZWEBBG860

ID3/ Unique identifier of the corresponding plan assignment

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)

Assignment characteristics: Antenna characteristics

Station information

4A/ Antenna site name: BEITBRIDGE

4B/ Geographic area: ZWE

4C/ Longitude: 30° 13' 0" E, Latitude: 22° 9' 0" S

9EA/ Altitude of site above sea level: 630 m

3A1/ Call sign

Emission characteristics

1A/ Assigned frequency: 674 MHz

9D/ Polarization: H

8BH/ Horizontal e.r.p.: 40 dBW

7H/ Reference planning configuration: RPC1

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

1EO/ Offset: kHz

7J/ Type of spectrum mask: N

8BV/ Vertical e.r.p.: dBW

7K/ Receive mode, 7C1/ TV System

9S/ Beam tilt angle: Deg

Antenna characteristics

9/ Antenna directivity: D

9EB/ Maximum Effective Antenna Height: 244 m

9E/ Height of Antenna Above Ground Level: 120 m

Coordination

11C/ Signed commitment

2E/ Expiry date

11D/ Plan remark conditions met

Coordination successfully completed with the following administrations

Available administrations: AFG, AFS, AGL, ALB, ALG

Selected administrations

13C/ Notified remarks

GT1

ID1/ Assignment's unique identifier 444

ID3/ Unique identifier of the corresponding plan assignment

Fragment Article 11

GE06

Assignme

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°	
270°	
280°	
290°	-39
300°	-84
310°	-34
320°	-18
330°	-13
340°	13
350°	7

Type of notification

Notification intended for

<Untitled>\* - GT1\*

Input

Longitude Latitude Height of Antenna Above Ground Level

Output

http://www.itu.int/online/SRTM3/eff\_hgt\_srtm3?LON=184033&LAT=-335118&HGT=9&ADM=AF5&SIT=AMANDA\_GLEN&EAH=EFFHGT&ok=Submit

BRTSD eff\_hgt de/ from SRTM3

Date: Mon Jul 8 16:31:11 CEST 2013

Adm AFS Site AMANDA GLEN

```

t_long=+0184033
t_lat=-335118
t_hgt_agl = 9
t_site_alt = 144
t_eff_hgtmax = 103
<ANT_HGT>
t_eff_hgt@azm000 = 30
t_eff_hgt@azm010 = 47
t_eff_hgt@azm020 = 62
t_eff_hgt@azm030 = 52
t_eff_hgt@azm040 = 44
t_eff_hgt@azm050 = 23
t_eff_hgt@azm060 = 17
t_eff_hgt@azm070 = 17
t_eff_hgt@azm080 = 8
t_eff_hgt@azm090 = 9
t_eff_hgt@azm100 = 21
t_eff_hgt@azm110 = -1
t_eff_hgt@azm120 = -26
t_eff_hgt@azm130 = -19
t_eff_hgt@azm140 = 8
t_eff_hgt@azm150 = -9
t_eff_hgt@azm160 = 59
t_eff_hgt@azm170 = 92
t_eff_hgt@azm180 = 103
t_eff_hgt@azm190 = 95
t_eff_hgt@azm200 = 84
t_eff_hgt@azm210 = 83

```

Data

Altitude of site above sea level 144 m

Maximum Effective Antenna Height 103 m

Table of Effective Height

	Height (m)
0°	30
10°	47
20°	62
30°	52
40°	44
50°	23
60°	17
70°	17
80°	8
90°	9
100°	21
110°	-1
120°	-26
130°	-19
140°	8
150°	-9
160°	59
170°	92
180°	103
190°	95
200°	84

12A/ Operating agency

12B/ Address code

10B/ Regular hours of operation (UTC)

10C/ Date of bringing into use

Attenuations

9NV/ Vertical Polarization

	Attenuation (dB)
0°	0
10°	0
20°	0
30°	0
40°	0
50°	0
60°	0
70°	0
80°	0
90°	0
100°	0
110°	0
120°	0
130°	0
140°	0
150°	0
160°	0
170°	0
180°	0
190°	0
200°	0
210°	0
220°	0
230°	0
240°	0
250°	0
260°	0
270°	0
280°	0
290°	0
300°	0
310°	0
320°	0
330°	0
340°	0
350°	0

GT1

# Adding the agreement in the notice

TerRaNotices 1.1 (BR IFIC 2733) - [UgandaG06\_revised\_2.txt\* - GT1\*]

File Tools View Language Options Window Help

Notice browser

Notice type Description

UgandaG06...

- Head sec... UGA - 03/12/2012
- GT... UGA0706TU04NEW
- GT... UGA0704TU01
- GT... UGA0703TU04
- GT... UGA0504TU01
- GT... UGA0504TU02
- GT... UGA0505TU02
- GT... UGA0502TU02
- GT... UGA0306TU03
- GT... UGA0301TU04
- GT... UGA0301TU02
- GT1|M... UGA0205TU04**
- GT1|... UGA0202TU04
- GT1|... UGA0202TU05NEW
- GT1|... UGA0105TU01
- GT1|... UGA0102TU03
- GT1|... UGA1208TU01
- GT1|... UGA1204TU04
- GT1|... UGA1001TU03
- GT1|... UGA1001TU01
- GT1|... UGA1001TU04
- GT1|... UGA1006TU01NEW
- GT1|... UGA1006TU02NEW
- GT1|... UGA1006TU03NEW
- GT1|... UGA1302TU04
- GT1|... UGA0306TU02
- GT1|... UGA0105TU04
- GT1|... UGA0703TU02
- GT1|... UGA0703TU01
- GT1|... UGA0703TU05NEW
- GT1|... UGA0705TU01
- GT1|... UGA0705TU02
- GT1|... UGA0507TU02
- GT1|... UGA0507TU03NEW
- GT1|... UGA0104TU01
- GT1|... UGA0104TU03
- GT1|... UGA0105TU03
- GT1|... UGA0102TU02
- GT1|... UGA0103TU03

ID1/ Assignment's unique identifier: UGA0205TU04

ID3/ Unique identifier of the corresponding plan assignment:

Fragment: Article 11, GE06D

Type of notification:  E/ Resubmission,  Apply 4.1.2.5 procedure

Notification intended for:  Addition,  Modification

Assignment's unique identifier: UGA0205TU04

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

12B/ Address code, 10B/ Regular hours of operation (UTC)

Assignment characteristics / Antenna characteristics

Station information

4A/ Antenna site name: ADJUMANI

4B/ Geographic area: UGA

4C/ Longitude: 31° 48' 35" E, Latitude: 3° 21' 41" N

9EA/ Altitude of site above sea level: 794 m

3A1/ Call sign:

Emission characteristics

1A/ Assigned frequency: 626 MHz

9D/ Polarization: V

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

7H/ Reference planning configuration: RPC1

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

1E0/ Offset: kHz

7J/ Type of spectrum mask: N

8BV/ Vertical e.r.p.: 33 dBW

7K/ Receive mode, 7C1/ TV System

9S/ Beam tilt angle: Deg

Antenna characteristics

9/ Antenna directivity: ND

9EB/ Maximum Effective Antenna Height: 186 m

9E/ Height of Antenna Above Ground Level: 80 m

Digital plan entry parameters

DEC/ Plan entry: 1

DAC/ Assgn. code: Standalone

SYNC/ SFN id:

associated allotment

ID2/ Unique identifier, SFN id

Coordination

11C/ Signed commitment

2E/ Expiry date

11D/ Plan remark conditions met

Coordination successfully completed with the following administrations

Available administrations: SMR, SNG, SOM, SRB, SRL, **STP**, ci.17

Selected administrations: COD, SSD

13C/ Notified remarks

GT1

# Validate the notice or the file notices

The screenshot displays the TerRaNotices 1.1 (PROD) application window. On the left, a 'Notice browser' pane shows a tree view with the following structure:

Notice type	Description
<Untitled>*	
Head section	AFS
GT1 ADD	444

The main area of the application is currently empty. A modal dialog box titled 'TerRaNotices' is open in the center, displaying the following content:

Errors/warnings in the item number 1 'GT1 |ADD' of the file '<Untitled>'

**Errors/Warnings in the notice:**

- Warning(s)
  - t\_adm\_ref\_id : Duplicate exists in TerRaBase.

At the bottom of the dialog, there are three buttons: 'View generated notice', 'Edit notice', and 'Close'.

The Windows taskbar at the bottom shows the following open applications: start, Microsoft Lync, Inbox - Microsoft..., Internet Exp..., Windows Ex..., TerRaNW - PROD, GE06Process..., Microsoft Of..., Google Translucti..., TerRaNotices 1..., and the system clock shows 16:34.

# When submitting official GE06 Plan modification

TerRaNotices 1.1 (BR IFIC 2733) - [UgandaG06\_revised\_2.txt\* - GT1\*]

File Tools View Language Options Window Help

Notice browser

Notice type Description

- UgandaG06...
- Head sec... UGA - 03/12/2012
- GT... UGA0706TU04NEW
- GT... UGA0704TU01
- GT... UGA0703TU04
- GT... UGA0504TU01
- GT... UGA0504TU02
- GT... UGA0505TU02
- GT... UGA0502TU02
- GT... UGA0306TU03
- GT... UGA0301TU04
- GT... UGA0301TU02
- GT1|M... UGA0205TU04**
- GT1... UGA0202TU04
- GT1... UGA0202TU05NEW
- GT1... UGA0105TU01
- GT1... UGA0102TU03
- GT1... UGA1208TU01
- GT1... UGA1204TU04
- GT1... UGA1001TU03
- GT1... UGA1001TU01
- GT1... UGA1001TU04
- GT1... UGA1006TU01NEW
- GT1... UGA1006TU02NEW
- GT1... UGA1006TU03NEW
- GT1... UGA1302TU04
- GT1... UGA0306TU02
- GT1... UGA0105TU04
- GT1... UGA0703TU02
- GT1... UGA0703TU01
- GT1... UGA0703TU05NEW
- GT1... UGA0705TU01
- GT1... UGA0705TU02
- GT1... UGA0507TU02
- GT1... UGA0507TU03NEW
- GT1... UGA0104TU01
- GT1... UGA0104TU03
- GT1... UGA0105TU03
- GT1... UGA0102TU02

ID1/ Assignment's unique identifier  
UGA0205TU04

ID3/ Unique identifier of the corresponding plan assignment

Fragment type of notification

Notification intended for

Article 11  E/ Resubmission  Addition

Apply 4.1.2.5 procedure  Modification

Assignment's unique identifier: UGA0205TU04

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

12B/ Address code 10B/ Regular hours of operation (UTC)

Assignment characteristics Antenna characteristics

Station information

4A/ Antenna site name: ADJUMANI

4B/ Geographic area: UGA

4C/ Longitude: 31° 48' 35" E

Latitude: 3° 21' 41" N

9EA/ Altitude of site above sea level: 794 m

3A1/ Call sign

Emission characteristics

1A/ Assigned frequency: 626 MHz

9D/ Polarization: V

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

7H/ Reference planning configuration: RPC1

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

1E0/ Offset: kHz

7J/ Type of spectrum mask: N

8BV/ Vertical e.r.p.: 33 dBW

7K/ Receive mode 7C1/ TV System

9S/ Beam tilt angle: Deg

Antenna characteristics

9/ Antenna directivity: ND

9EB/ Maximum Effective Antenna Height: 186 m

9E/ Height of Antenna Above Ground Level: 80 m

Digital plan entry parameters

DEC/ Plan entry: 1

DAC/ Assgn. code: Standalone

SYNC/ SFN id

associated allotment

ID2/ Unique identifier

SFN id

Coordination

11C/ Signed commitment

2E/ Expiry date

11D/ Plan remark conditions met

Coordination successfully completed with the following administrations

Available administrations: SMR, SNG, SOM, SRB, SRL, STP, etc.

Selected administrations: COD, SSD

13C/ Notified remarks

**GT1**

Thank you for your attention!

Questions?

Evghenii Sestacov

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