

ITUEvents

ITU World Radiocommunication Seminar 2018

3-7 December 2018
Geneva, Switzerland

www.itu.int/go/ITU-R/WRS-18



Online tools and electronic
communication means for
terrestrial services

By Andrea Manara
Broadcasting Service Division

ITU HQ Geneva,
6 December, 2018

Agenda

- **Tools presentations**
 - eBCD2.0 platform for broadcasting services
 - eQuery, ePub, eTools, myAdmin
 - eMIFR for all terrestrial services
 - Ongoing project: Enhancement and generalization of online tools for terrestrial services
- **Tool demonstrations**
- **Exercise session**

eBCD2.0 platform for broadcasting services

[Portal description](#)



Objectives

Bring the BR closer to Administrations with added-value services

- Up-to-date broadcasting data
- Special Section at publication date
- Calculation-on-demand
- Easily follow-up on plan modification procedures and related deadlines

Outcome

- Reduce workload on both BR and administrations
- Reduce the need for printed documents

Output

eQry

ePub

eTools

myAdmin

Focal point only

TIES users TIES

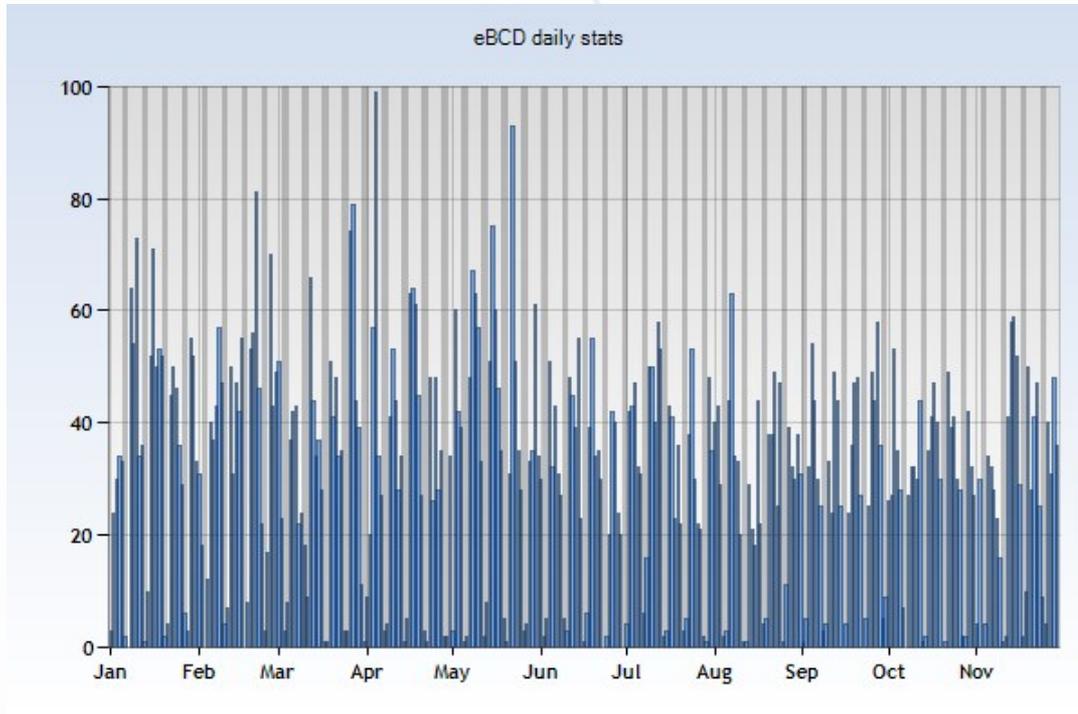


not [TIES](#) users? Use user1 credential

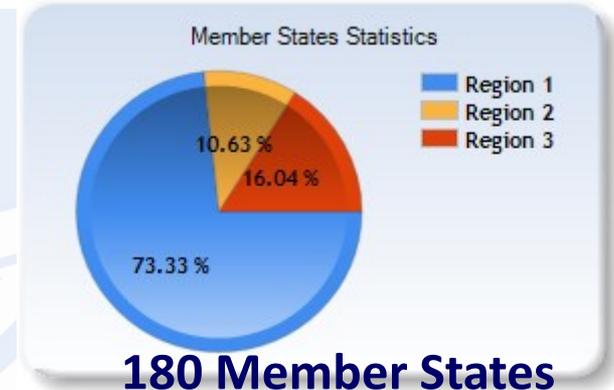
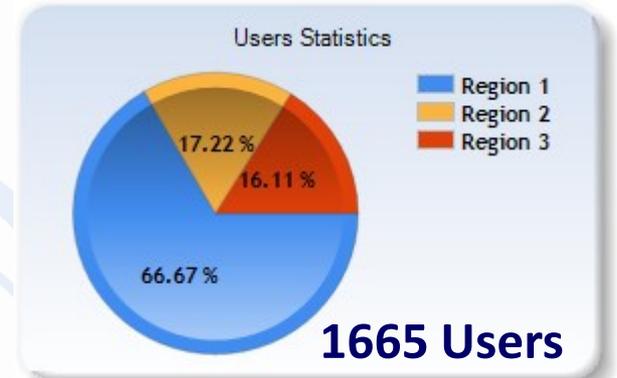
eBCD2.0
Broadcasting Online



eBCD2.0 platform for broadcasting services



Number of daily logins 2018



Last month statistics:

188 users, 87 Administrations

eQry

“Online search on
Plans and MIFR”



Read-Only copy of BR
Database (Updated daily)

Search by:

- Administration
- Geographic Area
- Frequency
- Administration Unique Identifier
- BR Identification number
- Status (Recorded/Published)
- Site/Allotment name

Generate e-notice file (SGML) using TerRaNotices
software (SOA) [GE06D,LFMF under testing].
Output downloadable from **eTools**.



ePub

“Special Sections,
the publication day!”



Database Snapshots
at publication date

Search by:

- BR IFIC number
- Administration
 - My notifications
 - Notifications which affects me

eTools

“On-demand test calculations”

2018 statistics

More than **5500 jobs** run by **225 users** from **95 Administrations**

Calculation Type

GE06D Plan Modification

GE06D Compatibility Analyses
(incl. ATU, ASMG)

GE84 Compatibility Analyses(integrated
online validation)

CA Compatibility Analyses



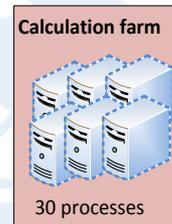
RJ81 Plan modification and
what-if studies

ITU-R P.1812 v4 & P.1546 v5

Notice Generation



Back-end infrastructure



ITU internal farm: 30 processes
distributed in such a way to
minimize waiting time.

Coverage contours
now available!



eTools: e-notice submission

GE06, RJ81, CA Compatibility

GE84

eTools

Validate e-notice files

Upload e-notices

Multiple files from different administrations.

Complete submission

The Online Validation (reuse TerRaNotices software in a SOA architecture) was integrated for GE84 calculation. Integration planned also for GE06, RJ81 and the CA compatibility software



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



Check your E-mail account!

eTools: job processing, privacy and collaboration

Job processing

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

Please select the calculation type

CA_compat CA_compat

New Calculation

Refresh manara

Jobs History for user: manara

Test Packages: click to hide all

Job Id	Job Name	Job Status	Job Type	Date of Request	Date of Start Run	Date of Completion
34977	1st iteration	Success	CA_compat	3/3/2017 8:03:32 PM	3/4/2017 11:56:00 AM	3/4/2017 12:00:06 PM
35012	testVIR	Failed	CA_compat	3/6/2017 5:20:07 PM	3/6/2017 5:20:09 PM	3/6/2017 5:20:10 PM
34912	test	Success	CA_compat	3/2/2017 2:59:18 PM	3/2/2017 3:20:17 PM	3/2/2017 3:21:28 PM

Job summary [Delete](#) [Share](#)

job id	job name	job status
35012	testVIR	Failed

Job Input

Adm	E-notice file	Number of Notices
USA	testVIR.txt	1

Job Output: **ERROR**

Problem parsing notices:
Missing effective antenna height pattern for adm: USA site name: CHARLOTTE AMALIE

Please contact brbcd@itu.int
if the error message is unclear

Privacy and collaboration

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



... facilitate coordination!



...you can now share them with other eBCD
registered users! (web2.0)



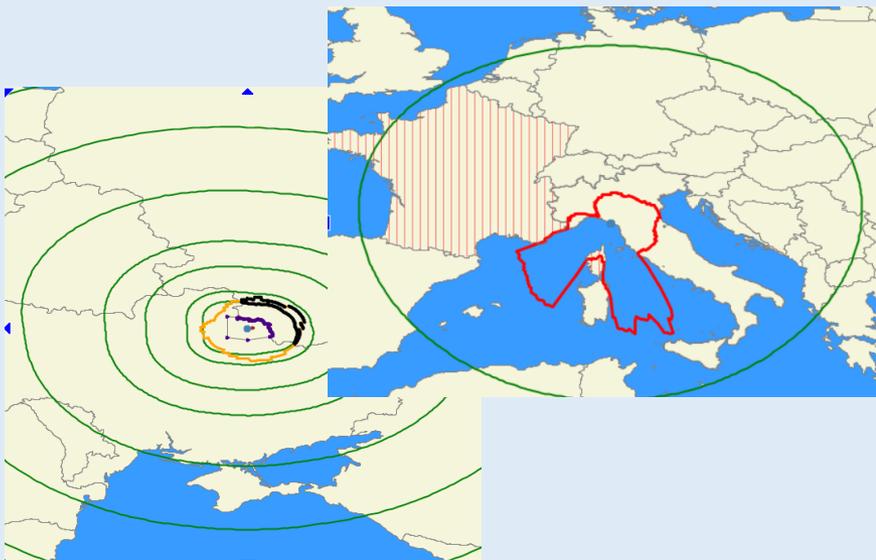
Around **200 jobs** shared by **72 users**
from **45 Administrations**





eTools: GE06D calculations

GE06D plan modification (coordination/conformity exam)



GE06 compatibility analyses

Interference calculations between new notices (from electronic notification files) and existing plan notices and recorded assignments/allotments

Job summary [Delete](#) [Share](#)

job id	job name	job status
14168	test	Success

Job Input

Adm	E-notice file	Number of Notices
LBN	LBN_12846_IN_all.txt	122

Job Output
[Download results](#)

MS Access mdb file to be visualized with GE06Calc.

Instrumental in planning activities in regional organizations

ATU (2012-2013) ASMG (2014-2015)

More during GE06 workshop!



eTools: CA Compatibility calculations

Interference calculations between **new requirements** (from electronic notification files) and **existing MIFR notices and recorded assignments**

Job summary [Delete](#) [Share](#)

job id	job name	job status
34899	test	Success

Job Input

Adm	E-notice file	Number of Notices
TRD	TRD_34869_IN.txt	1

Job Output
[Download results](#)

MS Access mdb file to be visualized with CA Display



COMTELCA

- Based on the EBU software developed for the RRC06 planning
- Main changes
 - Propagation model ITU-R P.1546-5 (refractive index correction) vs ITU-R P.1546-2 (propagation zones)
 - Protection ratios for all digital standards (vs. DVB-T only)

More during workshop session!



eTools: GE84 compatibility analyses

Job summary

[Delete](#)
[Share](#)

job id	job name	job status
29866	test	Success

Job Input

Adm	E-notice file	Number of Notices
HRV	HRV_amendment_notice.txt	1

Configuration Information

Top 20 only
 Consider Tip
 TV also
 Polarization Discrimination (dB)
 Trigger NFS from proposed modification for EU calculations (dB (µV/m))

Job Output

Input notice file validated by the OnlineValidation process on 10/10/2016 4:09:57 PM

Proposed Modification	Administrations with which the limits of 4.3.7.1/4.3.7.2 are exceeded	Eu (dB(µV/m))
87.8MHz_BOGOMOLJE	BIH HRV SVN SRB I GRC	93.579

Select the proposed modification

87.8MHz_BOGOMOLJE ▼

[Export Results to Excel](#)

[GE84 Compatibility Analyses Description](#)

Results **Interference To** Interference From

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)	Protection Ratio (dB)	NFS (dB (µV/m))	EU Ref (dB (µV/m))	Proposed EU (dB (µV/m))	Current EU (dB (µV/m))	EU increase (dB (µV/m))
084005671	BIH	RECORDED	BC	87.8	M	CAPLJINA	51	0	19	0	30	90	45	90.327	91.374	96.91	91.439	5.471
084006190	HRV	RECORDED	BC	87.7	H	BABINO POLJE	61	0	55	0	27.1	136	33	79.33	84.221	89.068	86.734	2.334
084006380	HRV	RECORDED	BC	87.9	H	LASTOVO	42	0	42	0	15	193	33	76.784	88.541	90.056	88.492	1.564
084005599	BIH	RECORDED	BC	87.8	M	FOCA KMUR	143	0	20	0	30	74	37	69.607	96.018	96.208	96.048	0.16
084005728	BIH	RECORDED	BC	87.8	H	JAJCE JEZERO	134	0	9	0	29.5	5	37	69.399	83.394	90.162	89.735	0.427
084005611	BIH	RECORDED	BC	87.9	M	KONJIC B	91	0	16	0	30	58	25	66.226	89.715	89.697	89.472	0.225
084006435	HRV	RECORDED	BC	87.7	H	MOLUNAT	137	0	53	0	29.8	122	25	61.07	82.625	83.407	83.155	0.252
084006572	HRV	RECORDED	BC	88	H	STON	64	0	39	0	29.9	121	7	58.611	95.551	95.057	95.048	0.009
084006629	HRV	RECORDED	BC	87.7	H	VRLIKA	100	0	10	0	24.6	333	25	57.545	81.403	93.97	93.956	0.014
084005512	BIH	RECORDED	BC	87.7	M	HUM	138	0	15	0	30	53	25	57.075	94.988	96.202	96.196	0.006
084005730	BIH	RECORDED	BC	87.9	H	KAKANJ	141	0	11	0	30	39	25	56.38	109.908	109.91	109.91	0
084006200	HRV	RECORDED	BC	87.8	H	BIOGRAD	160	0	29	0	17.4	307	37	55.344	78.313	94.0		
084102538	GRC	RECORDED	BC	87.8	H	AGNANTIA	392	0	288	0	26	140	37	51.682	80.518	129.		
084005737	BIH	RECORDED	BC	87.9	M	KLADANJ	183	0	13	0	30	48	25	50.908	91.894	91.8		

More during GE84 workshop!



eTools: RJ81 plan modification and what-if studies

Following CITELE requests (2014-2015)

[eTools Disclaimer](#)

[eTools Documentations](#)

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

Please select the calculation type

RJ81 **RJ81 what-if studies** **Beta Release**

Job Input

Adm	E-notice file	Number of Notices
ARG	ARG_13493_IN.txt	2

Job Output

Proposed Modification	Administrations with incompatibilities
760kHz_LU6	CHL B ARG
1140kHz_LU22	CHL ARG

Select the proposed modification	Select the affected protected station
All	All

RJ81

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

Results sw_50%_A sw_BC gw_D gw_N

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
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	0	14	Y	2.65	2.39	4.56	5.15	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	20	14	Y	2.65	2.39	4.56	5.15	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	40	14	Y	2.65	2.39	4.56	5.15	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	60	14	Y	2.65	2.41	4.56	5.16	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	80	14	Y	2.65	2.42	4.56	5.16	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	100	14	Y	2.65	2.44	4.56	5.17	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	120	14	Y	2.65	2.46	4.56	5.18	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	140	14	Y	2.65	2.48	4.56	5.19	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	160	14	Y	2.65	2.5	4.56	5.2	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	180	14	Y	2.65	2.51	4.56	5.21	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	200	14	Y	2.65	2.51	4.56	5.21	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	220	14	Y	2.65	2.5	4.56	5.2	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	240	14	Y	2.65	2.49	4.56	5.2	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	260	14	Y	2.65	2.48	4.56	5.19	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	280	14	Y	2.65	2.46	4.56	5.18	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	300	14	Y	2.65	2.44	4.56	5.17	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	320	14	Y	2.65	2.42	4.56	5.16	
1	760	ARG	LU6	B	090001717	760	B	PLANALTO	B	A	N	340	14	Y	2.65	2.4	4.56	5.16	
1	760	ARG	LU6	B	081010190	760	B	CANDELARIA	C	A	N	200	11	Y	4.18	3.63	7.25	8.11	

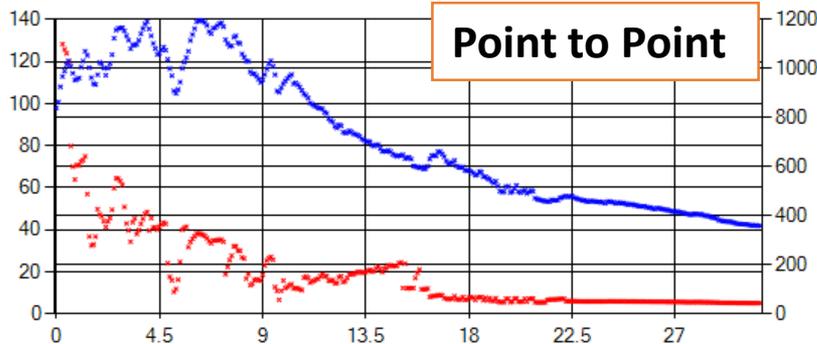
eTools: ITU-R P series calculations

P.1812-4(07-15)

Propagation prediction using terrain profile (deterministic model)

- 30 MHz - 3 GHz
- 0.25 km - 3000 km
- 1% < time < 50%
- 1% < locations < 99%
- Rx and Tx hgt agl <= 3km

SRTM3 terrain database 3 arc-sec resol. (90 m)
Planned to move to 1 arc-sec (30m) in 2019



Coverage contours
now available!

NEW

Beta Release!



Point to Area

More during Propagation workshop!

eTools: ITU-R P series calculations

P.1546-5(09-13)

Propagation prediction (empirical model)

- 30 MHz - 3 GHz
- 1 km - 1000 km
- 1% < time < 50%
- 1% < locations < 99%
- TX eff hgt ≤ 3km

Terrain database can be used (clearance angle correction) to improve accuracy

Point to Area



More during Propagation workshop!



myAdmin

Focal point only

*"My own office for broadcasting services
@ ITU: opening ~24/7"*

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

AGL ALG ARS AUS AUT AZE BEL BEN BHR BIH BLR BOL BUL CHN CME COG
CTI CVA CYP CZE D DJI DNK EGY EST F FIN G GAB GEO HNG HRV I IND IRL
IRN JOR KAZ KGZ KIR KOR LBY LUX LVA MCO MDA MKD MLA MLI MLT MRC
MTN NOR NZL OMA PAK PHL POR PSE QAT ROU RUS S SDN SEY SNG SRB
SSD SUI SVK SVN SYR TGO TUN TUR UKR UZB VTN ZMB

206 focal points TIES account from **79 administration**

brbcd@itu.int

If focal point not notified → BR will use official email addresses for notification services (BUT no myAdmin access then ☹)





Mailbox: BR Output Channel Communication between the BR and the Member State

Notice under review (GE06)

GE06D notices to be deleted in 90 days (in coordination since 2 years a

[GE06D: assignments in the Waiting ReviewQ: 38](#)

GE06D

Export to Excel Google Earth Generate e-notices (Export to SGML)

Total number of records 19. Click on headers to sort

Adm Id	BR Id	Date of Receipt	Adm Intent	PE
0001-0002	116140224	7 Jul 2016	NOR ADD	
0001-0005	116140221	7 Jul 2016	NOR ADD	
0001-0006	116140231	7 Jul 2016	NOR ADD	
0001-0010	116140217	7 Jul 2016	NOR ADD	
0001-0013	116140229	7 Jul 2016	NOR ADD	
0001-0014	116140210	7 Jul 2016	NOR ADD	
0001-0016	116140214	7 Jul 2016	NOR ADD	

GE06D

Export to Excel Google Earth Generate e-notices (Export to SGML)

Total number of records 38. Click on headers to sort

Adm Id	BR Id	Adm Intent	PE	Site/Allot Name	TV Channel/Freq Block	Coord Completed	Objection By	Missing Coordination
0001-0099	115154418	NOR ADD	4	FOERDE				
0001-0100	115154416	NOR ADD	4	SOGNDAL				
0001-0170	116098510	NOR ADD	4	ÅRDAL 1				
0001-0171	116098511	NOR ADD	4	ÅFJORD				
0001-0172	116098512	NOR ADD	4	ØVRE EIKER				
0001-0173	116098513	NOR ADD	4	ØRTEREN				
0001-0174	116098514	NOR ADD	4	ØRJE FORT				
0001-0175	116098515	NOR ADD	4	VINEØRA				
0001-0176	116098516	NOR ADD	4	VIKTJERNÅSEN				
0001-0177	116098517	NOR ADD	4	VANNYLVEN				
0001-0178	116098518	NOR ADD	4	TØRRBERGET				
0001-0180	116098519	NOR ADD	4	STRANDA 2				
0001-0181	116098520	NOR ADD	4	SNÅSA				
0001-0182	116098521	NOR ADD	4	SKORSÅSEN				
0001-0183	116098522	NOR ADD	4	SKJØERHALLEN				

[Notices under conformity review: 2](#) Old records

GE06D

Export to Excel Google Earth Generate e-notices (Export to SGML)

Total number of records 2. Click on headers to sort

Adm Id	BR Id	Adm Intent	PE	Site/Allot Name	TV Channel/Freq Block
GNCCBT621	116184059	GEO ADD	3	DAMALA	9
GNCCBT622	116184060	GEO ADD	3	AKHALKALAKI	11

Latest Special Sections annex to the latest BR IFIC (2885) on date 11 Dec 2018



Plan modifications affecting your administration to be published (Internal site ONLY)

Plan	Special Section	PubPart	Number of Notices
GE84	271	A	32



myAdmin

Focal point only

Plans and MIFR dashboard



Your own office for broadcasting services at the ITU (last update: 6 Dec 2018)

- Adm(ITU)
- MailBox
- GE06D
- GE06A
- GE84**
- ST61
- GE75
- RJ81
- MIFR

Recorded Assignments	7609
Notices under treatment	47
Notices under treatment ready for Part B	15
Notices under treatment receiving objection	24
Notices under treatment which affect me	332
Notices under treatment which affect me I objected to	43
Comments given in the last period (30 days)	38
Comments received in the last period (30 days)	16

GE84/F

Total number of records 15. Click on headers to sort

Export to Excel | Google Earth | Generate TB3

BR Id	Adm	Site Name	Assigned Frequency	Intent	Special Section	End Date (Comments)	Coord Completed	Objection By	Coord Required
118048845	F	CHATEAU RENAULT VILLEDOMER	95.6	ADD	267		BEL D G HOL I LUX SUI		BEL D G HOL I LUX SUI
118051320	F	CHATEAU RENAULT	99	ADD	267		BEL D G HOL I LUX SUI		BEL D G HOL I LUX SUI
118048846	F	CHATEAU RENAULT VILLEDOMER	106.8	ADD	267		BEL D G HOL I LUX SUI		BEL D G HOL I LUX SUI
118051319	F	CHAMBERY SAINT SULPICE	105.1	MODIFY	267		AUT BEL D E I LIE LUX MCO SUI		AND AUT BEL D E I LIE LUX MCO SUI

GE84/Affected for F

Total number of records 332. Click on headers to sort

Export to Excel | Google Earth | Generate e-notices (Export to SGML)

BR Id	Adm	Site Name	Assigned Frequency	Intent	Special Section	End Date (Comments)	Coord Completed	Objection By	Coord Required
118096168	E	BRIVIESCA	100.1	ADD	271	21 Mar 2019			AND F POR
118096169	E	BRIVIESCA	88.1	ADD	271	21 Mar 2019			AND F POR
118096170	E	BRIVIESCA	96.8	ADD	271	21 Mar 2019			AND F POR
118096171	E	CERVERA PISUERGA	100.4	ADD	271	21 Mar 2019			AND F POR
118096172	E	CERVERA PISUERGA	88.6	ADD	271	21 Mar 2019			AND F POR
118096173	E	CERVERA PISUERGA	94.8	ADD	271	21 Mar 2019			AND F POR
118096174	E	CILLAPERLATA	89.3	ADD	271	21 Mar 2019			AND F POR
118096175	E	CILLAPERLATA	92.6	ADD	271	21 Mar 2019			AND F POR
118096176	E	CILLAPERLATA	97.5	ADD	271	21 Mar 2019			AND F POR
118096177	E	GUARDO	98	ADD	271	21 Mar 2019			F POR



myAdmin: documents in MailBox

myAdmin

Your own office for broadcasting services at the ITU (last update: 6 Dec 2018)

Focal point only

Adm(ITU) MailBox GE06D GE06A GE84 GE75 RJ81 MIFR

Welcome user manara

BR Outgoing Correspondence (BETA release)

Plan	Special Section	Correspondence	Date Letter	Deadline	Document	Number of days for comment/action
GE84	270	Publication of Special Section	19 Nov 2018	2 Jan 2019	31E(BCD)O-2018-004347	27
GE84	270	Publication of Special Section	13 Nov 2018	2 Jan 2019	31E(BCD)O-2018-004348	27
GE06	119	4.1.4.10	29 Sep 2016	8 Nov 2016	31B(BCD)O-2016-003686	expired
GE84	244	Publication of Special Section	28 Sep 2016	16 Nov 2016	31E(BCD)O-2016-003646	expired
GE06	121	50 days reminder	5 Oct 2016	30 Oct 2016	31B(BCD)O-2016-003763	expired
GE06	123	Publication of Special Section	11 Oct 2016	25 Dec 2016	31B(BCD)O-2016-003880	expired



myAdmin

Your own office for broadcasting services at the ITU (last update: 6 Dec 2018)

Adm(ITU) MailBox GE06D GE06A GE84 ST61 GE75 RJ81 MIFR

Welcome user manara

BR Outgoing Correspondence (BETA release)

Plan	Special Section	Correspondence	Date Letter	Deadline	Document	Number of days for comment/action
GE06	149	Publication of Special Section	27 Nov 2018	10 Feb 2019	31B(BCD)O-2018-004546	66
GE06	119	4.1.4.10	29 Sep 2016	8 Nov 2016	31B(BCD)O-2016-003687	expired
GE84	242	70 days reminder	19 Sep 2016	13 Oct 2016	31E(BCD)O-2016-003471	expired
GE84	244	Publication of Special Section	28 Sep 2016	16 Nov 2016	31E(BCD)O-2016-003652	expired
GE06	123	Publication of Special Section	11 Oct 2016	25 Dec 2016	31B(BCD)O-2016-003883	expired
GE84	243	50 days reminder	1 Nov 2016	29 Oct 2016	31E(BCD)O-2016-004273	expired
GE84	245	Publication of Special Section	25 Oct 2016	14 Dec 2016	31E(BCD)O-2016-004155	expired
GE06	124	Publication of Special Section	9 Nov 2016	22 Jan 2017	31B(BCD)O-2016-004410	expired



E-mail notification services



Sun 11/27/2016 4:49 AM

eBCD, ITU



Every Sunday 4.00 a.m.

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 Radiocommunications have just been entered

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

Latest Coordinations

assgn_id	pub_id
116113557	119
116113558	119
116150059	122

Dear Madam/Sir



Wed 11/23/2016 4:46 AM

eBCD, ITU



Publication of plan modifications affecting your administration (RUS)

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

To Shibaeva, Polina (TIES); p.shibaeva@grfc.ru; Sidelnikova, Svetlana (TIES); s.sidelnikova@grfc.ru

Plan GE84

Dear Madam/Sir

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

Plan	Special Section	NoNotices
GE84	246	73

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



myAdmin: outgoing correspondence

Focal point only

Mon 11/14/2016 2:56 PM

 eBCD, ITU 

Special Section GE06/123 of BRIFIC No 2830 dated Tuesday, October 11, 2016 (ALG)

To maghraou@ties.itu.int; maghraouimene@gmail.com; derrijj@ties.itu.int; derridjassia@gmail.com; Belaid, Hamza (TIES); belaidhamza@gmail.com

Cc Castro, Juan Luis

Dear Madam/Sir

On date Tuesday, October 11, 2016 the Bureau addressed you a correspondence (Ref. No.31B(BCD)O-2016-003883) concerning the above-mentioned Special Section.

The Bureau wishes to inform you that this correspondence is now available also in the Mailbox section of the [myAdmin](#) portal.

Important: Please do not reply to this email

For any further clarification or additional information, please contact BRBCD@itu.int

myAdmin

Your own office for broadcasting services at the ITU (last update: 30 Nov 2016)

- Adm(ITU)
- MailBox**
- GE06D
- GE06A
- GE84
- GE89
- GE75
- MIFR



Welcome user manara

BR Outgoing Correspondence (BETA release)

Plan	Special Section	Correspondence	Date Letter	Deadline	Document	Number of days for comment/action
GE84	245	Publication of Special Section	25 Oct 2016	14 Dec 2016	31E(BCD)O-2016-004155	14
GE06	123	Publication of Special Section	11 Oct 2016	25 Dec 2016	31B(BCD)O-2016-003883	25
GE84	243	70 days reminder	9 Nov 2016	8 Dec 2016	31E(BCD)O-2016-004412	8
GE84	242	70 days reminder	19 Sep 2016	13 Oct 2016	31E(BCD)O-2016-003471	expired

eMIFR



MIFR (Terrestrial Services) on-line query (BETA release)

Query system for the simultaneous retrieval of data from the terrestrial portion of the MIFR (FMTV, LFMF and FXM)

MIFR (Broadcasting)
 MIFR (FXM)
 MIFR (all)

MIFR (ALL): Selection Criteria

Administration	Geographic Area	Notice Type	Class of Station
AFG AFS AGL ALB ALG ARG ARM ARS	ABW AFG AFS AGL AIA ALB ALG ALS	1A1 1A2 1A4 1A5 1A7 1B1 1C1 1Z0	AL FA FB FC FD FG FL FP

Recorded
 Pending

Assigned Frequency:
 f_{min}:
 f_{max}:
 f_{min} ≤ Assigned Frequency ≤ f_{max} only

Unique Id. code given by Administration:
 Identifier assigned by the BR: from to

Date of Receipt (from):
 Date of Receipt (to):

Site Name:

MIFR (All) TPL: 080623514

Administrative

Emission Characteristics

Assigned Frequency (MHz) **1052** Nature of Service
 Reference (carrier) Frequency
 Class of Emission **PXX-** Energy dispersal (kHz)
 Bandwidth Code **700K** System Type Code(s)

Station and Site Information

Operations

Operation 1

General Characteristics

Power Type **X** Polarization
 Power to the Antenna (dBW) **30** Antenna Directivity
 Radiated Power (dBW) **30 E** Azimuth of Maximum Radiation (°)
 Maximum Antenna Gain (dB) Maximum Effective Antenna Height (m)
 Maximum Gain Toward the Local Horizon (dB) Height of Antenna Above Ground Level (m)
 Gain Type Elevation Angle (°)
 Maximum Power Density (dBW/Hz) Beamwidth (°)
 Reference Antenna

Receiving Station Information

RX1

Site Name Geographical Type **CIRCLE**
 Geographic Area Zone ID
 Region **1** Geographical coordinates **007°39'00" E - 45°11'00" N**
 Radius (km) **80**

Findings Information

Export data to Excel, Google Earth

More during demo session!

MIFR (All)

Total number of records 10. Click on headers to sort

Export to Excel | Google Earth

BR Id	Adm	Geo Area	Site Name	Location	Assigned Frequency (MHz)	Intent	Notice Type	Stn
080015495	I	I	TORINO	007°44'00" E - 45°02'00" N	0.657	RECORDED	1A2	BC
080225070	I	I	TORINO COLLINA	007°42'00" E - 45°06'00" N	212.5	RECORDED	1A4	BT
080606153	I	I	TORINO COLLINA	007°40'00" E - 45°04'00" N	522	RECORDED	1A4	BT
080607250	I	I	TORINO	007°44'00" E - 45°02'00" N	546	RECORDED	1A4	BT
080608609	I	I	TORINO	007°39'00" E - 45°04'00" N	578	RECORDED	1A4	BT
080610086	I	I	TORINO	007°44'00" E - 45°02'00" N	626	RECORDED	1A4	BT
103046152	I	I	TORINO	007°44'00" E - 45°02'00" N	746	RECORDED	TB2	BT
080623514	I	I	TORINO CASELLE	007°39'00" E - 45°11'00" N	1052	RECORDED	1B1	AM
080623522	I	I	TORINO CASELLE	007°39'00" E - 45°12'00" N	1056	RECORDED	1B1	AM
080623683	I	I	TORINO POIRINO	007°52'00" E - 44°55'00" N	1116	RECORDED	1B1	AM

Ongoing project

Enhancement and generalization of online tools for terrestrial services



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eBCD

MyAdmin

ePub

eQuery

eTools

eBCD: Broadcasting Online

eBCD, an onlinePortal for broadcasting services

The eBCD platform provides **secure web-based services** related to terrestrial broadcasting to TIES users. The portal gives access to online publications(**ePub**), databases (**eQuery**), calculations on-demand (**eTools**) and a service (**myAdmin**) which allows administrations to check and visualize their notices and recorded assignments, making it easy to follow the relevant Plan modification procedures and related deadlines.

My Admin

(Administration Focal Point ONLY)



myAdmin is the virtual ITU Broadcasting Office (open 24/7) allowing administration to visualize notices and recorded assignment of their concern in order to follow easily the plan modification procedures and related deadlines.

Administration Focal Point ONLY (Authorization needed).

ePub

(All TIES users)



ePub contains the broadcasting publication online. It allows administrations to consult Special Sections as published. All broadcasting publications since 2007 are available.

[Go to ePub >](#)

eQuery

(All TIES users)



eQuery allows fast online searches on broadcasting plans. It allows performing queries on quasi - live database(upload daily), including the current status and coordination information.

[Go to eQuery >](#)

eTools

(All TIES users)



eTools offers calculation on-demand in the scope of the GE06, GE84 and R381 agreements for testing purposes. It also allows propagation prediction calculations according to the recommendations ITU-R P1812 and P.1546.;

[Go to eTools >](#)

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eBCD

MyAdmin

ePub

eQuery

eTools



eQuery: Queries on broadcasting plans

GE06D
 GE06A
 GE06L
 GE89
 GE84
 ST61
 RJ81
 GE75

Selection Criteria

Administration Geographic Area Notice Type

Administration

→ → →

- AFS
- AGL
- ALG
- AND
- ARM
- ARS
- AUT
- AZE
- BDI
- BEL
- BEN
- BFA

← ← ←

- ALB

Status

Recorded

Published

Unpublished

Frequency (MHz)

To

170

862

Unique Id. code given by Administration

Sitename

Contour ID

Plan Entry

TV Channel

Freq. Block

Identifier assigned by the BR

Allotment Name

Assignment Code

Apply filter

GE06D

Export to Excel

Export to PDF

Google Earth

Print

Search:

Adm Id	BR Id	Adm	PE	Site/Allot Name	Freq Block	TV Channel/Freq Block
AL001D-MID1	109073201	ALB	3	MID1		22
AL001D-MID2	109073204	ALB	3	MID2		28
AL001D-MID3	109073207	ALB	3	MID3		34

Thank you for your attention!

Questions?

brbcd@itu.int

Tool demonstration and Exercise session

Login to the [eBCD2.0](#) entry page or to the [eMIFR](#) page

If you do not have a TIES account use the generic account

username: user1 password: user1

Explore the available tools (myAdmin restricted access to focal point only) by navigating amongst them

Exercise n. 1: eQry

1. Set selection criteria for plans published notices or recorded assignments for your administration
2. Retrieve the data
3. Browse through summary information and notice/assignment details
4. Export the information to Excel
5. View the data in Google Earth.

Exercise n. 2: ePub

1. Consult data concerning Special Sections of a plan of your choice
 - Browse affected/notifying administrations
 - Browse through summary information and notice/assignment details
2. Select a BR IFIC of choice
 - View published Special Sections if any
 - View MIFR (FMTV) records if any
3. Select your Administration
 - For the Plan of your choice, find the Special Sections which included your modifications or notifications affecting your administrations
4. In case you are a Focal Point, verify that you received the email notification informing of new publications

Exercise n. 3: eTools

1. Read the Disclaimer to make sure you understand scope and limitations of the tool
2. Look at the Documentation link pointing to documents concerning the various calculations provided and browse through few documents of interest to you
3. Submit a Propagation P1812P2P or P1546 calculation
4. Display the results when the calculation completes (an e-mail will be sent to your ties e-mail account)
5. Share the job with one or more of your neighbors. Verify that your neighbors can access your test data.
6. Delete a job if you are not more interested in it.

Exercise n. 4: myAdmin

- a. Are you a focal point? If you are involved with plan modification procedure you should definitely be a focal point!
- b. Verify that you have access to myAdmin
- c. Look at your MailBox
 - a. Is there any BR outgoing correspondence?
 - i. Get familiar with the information provided. Click on the Document link and open the pdf file.
 - ii. Do you have any item in red? What does it mean?
 - b. Does your administration have any GE06 notice under Review
 - a. In this case, browse through the summary and the details data (including calculation results if any).
- d. Verify if you received email notifications concerning coordination data, new Special Sections and new documents concerning your latest publications (since 15 September 2016).

Exercise n. 5: myAdmin

1. Browse through your Plan Statistics.
 - a. Look at your notices under treatment. Are there any objection or missing coordination?
 - a. If so you may discuss one notification with colleagues from concerned Member States.
 - b. In case of GE06 plan, look together at coordination contours.
 1. You may want to submit via eTools P1812 calculations which may help to give you a more precise view of the situation considering terrain data.
 - b. Are any notice of your notices ready for part B? In this case review them and prepare TB3 notices ready for submission to WISFAT (Generate TB3 button).
 - c. Generate few e-notices (Export to SGML). You may want to use the filter to restrict the selection.
 - d. Look at notices under treatment which affect you.
 - a. Is the end date for comments approaching?
 - b. Did you complete the coordination for all those notices?
2. Browse through your MIFR statistics
 - a. Do you have notices published in Part 1, 2, 2B or C?