Online tools and electronic communication means for terrestrial services

Online workshop,
September2020

By *Andrea Manara*
Broadcasting Service Division

Agenda

- Tools presentations
  - eBCD2.0 platform for broadcasting services (new release)
    - eQuery, ePub, eTools, myAdmin
- Tool demonstrations

eBCD2.0 platform for broadcasting services

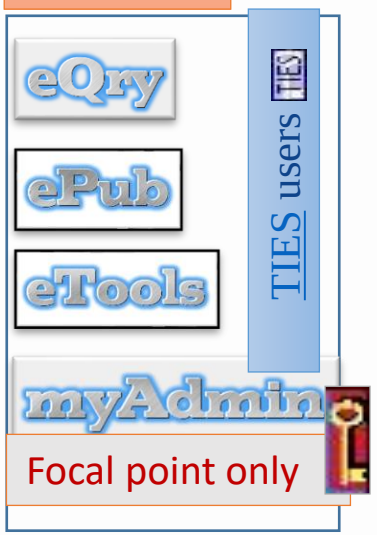
Portal description

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

Output



Outcome

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

not TIES users? Use user1 credential

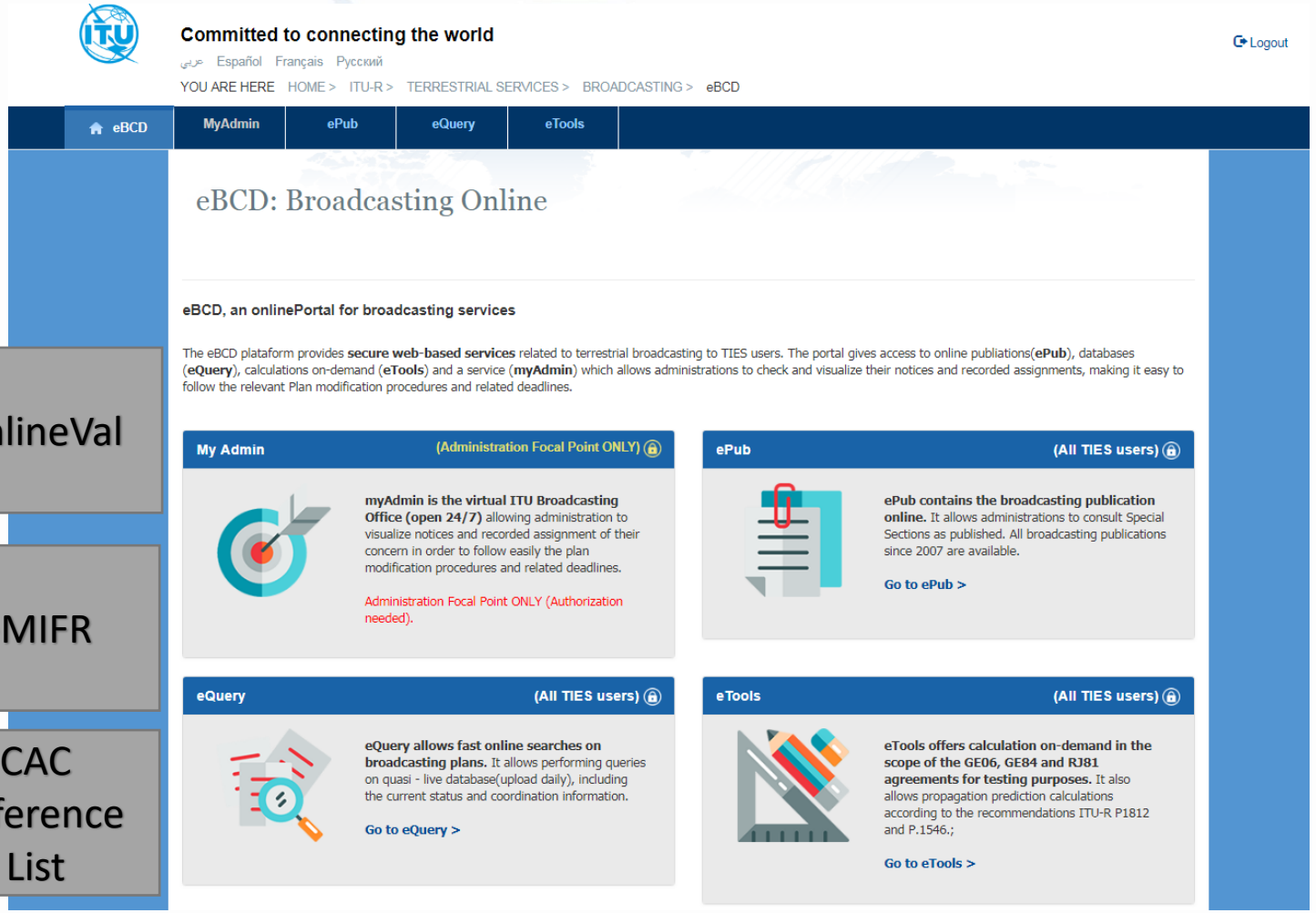
eBCD 2.0 Broadcasting Online

New Deployment (BETA release): Enhancement and generalization of online tools for terrestrial services

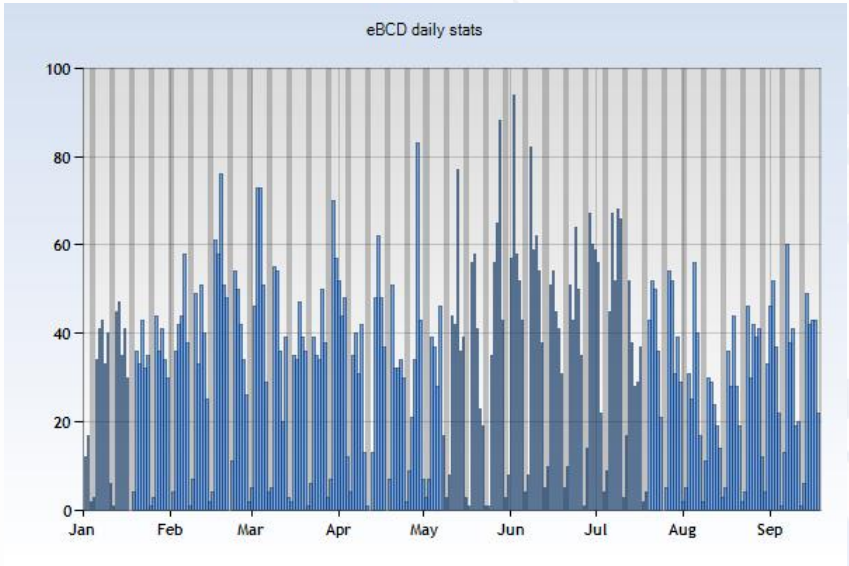
OnlineVal

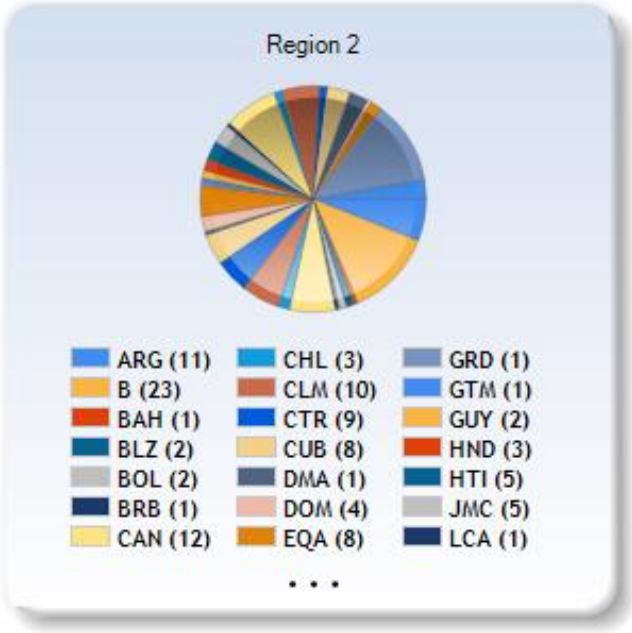
eMIFR

CAC Reference List

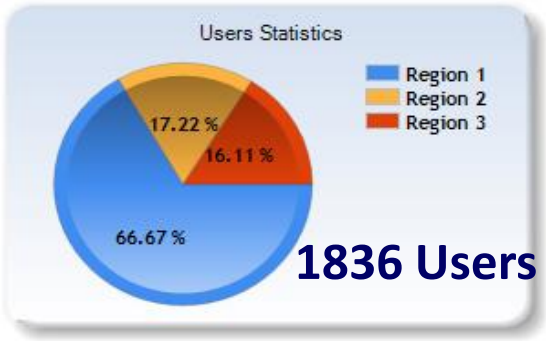


eBCD2.0 platform for broadcasting services

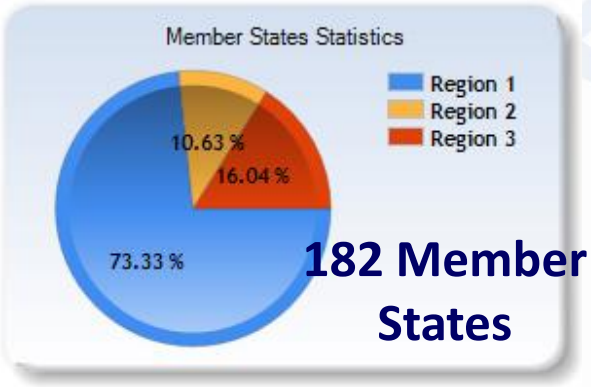




Number of daily logins 2020



1836 Users



182 Member States

August 2020 statistics:
221 users, 91 Administrations

eBCD 2.0
Broadcasting Online

eQry

"Online search on Plans"

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

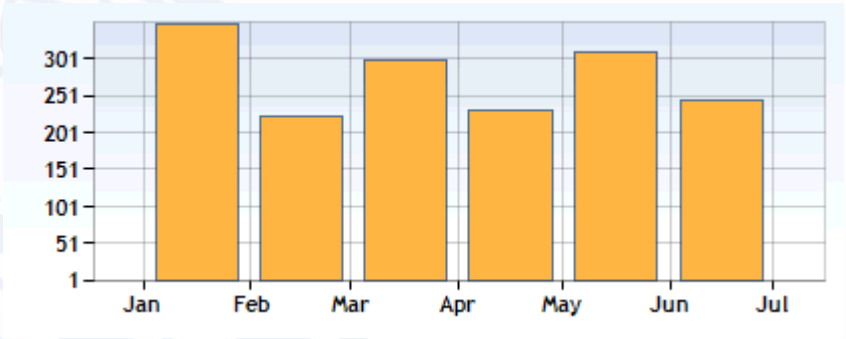
eBCD 2.0 Broadcasting Online

eTools

"On-demand test calculations"

2020 statistics

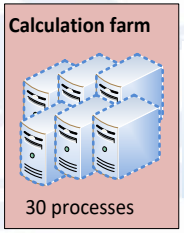
Around 2000 jobs run by **125 users** from **66 Administrations**



Calculation Type
GE06D Plan Modification
GE06D Compatibility Analyses (incl. ATU, ASMG)
GE84 Compatibility Analyses GE84 Channel Search GE84 Optimization
CA Compatibility Analyses
RJ81 Plan modification and what-if studies
ITU-R P.1812 v4 & P.1546 v5
Notice Generation

NEW

Back-end infrastructure



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

Coverage contours now available!

NEW

eBCD 2.0 Broadcasting Online

eTools: e-notice submission

GE06, GE84, RJ81, CA Compatibility

eTools

Upload e-notices

Multiple files from different administrations.

Validate e-notice files

Complete submission

The Online Validation (reuse TerRaNotices software in a SOA architecture) was integrated for GE84 compatibility analyses and channel search. Integration planned also for GE84Opt, GE06, RJ81 and the CA compatibility software

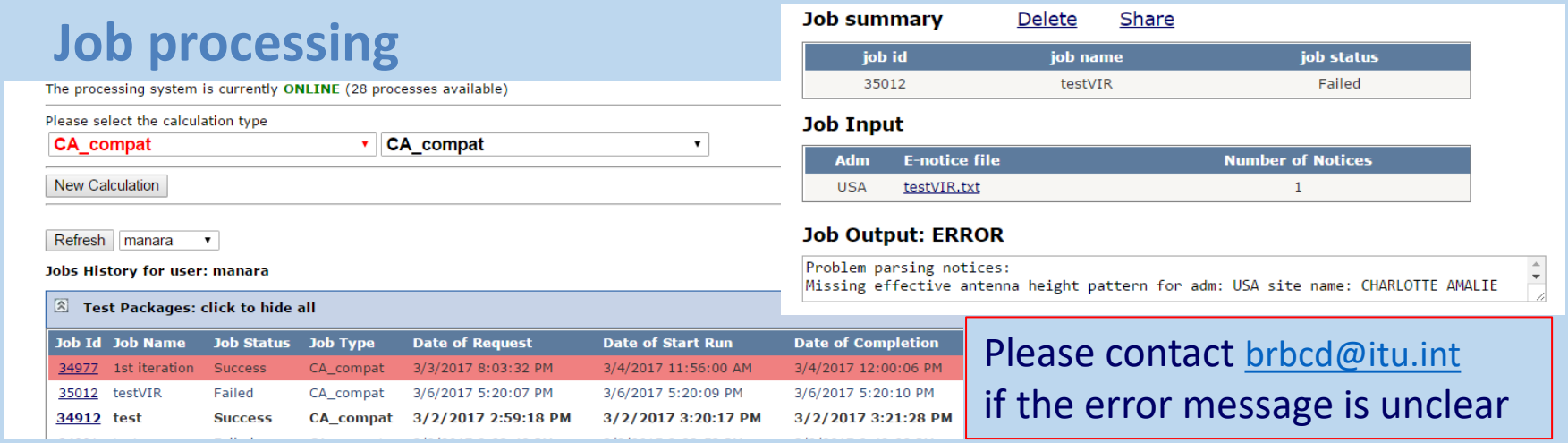
The ITU distributed processing infrastructure will treat your test submission and inform you at completion!

Check your E-mail account!

eBCD 2.0 Broadcasting Online

eTools: job processing, privacy and collaboration

Job processing



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 **950 jobs** shared by **340 users** from **90 Administrations**

eBCD 2.0 Broadcasting Online

GE84 Compatibility Analyses

More details in the next session

Job Input

Adm	E-notice file	Number of Notices
BOT	BOTemptycells.txt	1

Configuration Information

Top 20 only | Consider Tip | TV also | Polarization Discrimination (dB) 10 | Trigger NFS from proposed modification for EU calculations (dB (µV/m)) 30

Job Output

Input notice file validated by the OnlineValidation process on 9/18/2020 10:54:00 AM

Proposed Modification	Administrations with which the limits of 4.3.7.1/4.3.7.2 are exceeded	Eu (dB(µV/m))
87.7MHz_BT 12	NMB BOT	76.26

Select the proposed modification

87.7MHz BT 12

GE84 Compatibility Analyses Description

Result | Interference To | Interference From

Export to Excel

Search:

Assign ID	Adm	Intent	Stn Cls	Assigned Frequency (MHz)	Polar	Site Name	Total Distance	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)
084002236	NMB	RECORDED	BC	87.7	H	MARIENTAL	262	0	0	0	47	271	37	72.14	72.28	77.65	72.4	5.25
084004917	BOT	RECORDED	BC	87.7	H	GHANZI	335	0	0	0	47	21	37	64.77	63	69.13	63.18	5.95
084002194	NMB	RECORDED	BC	87.6	H	KEETMANSHOOP	332	0	0	0	47	225	25	53.12	66.2	67.66	66.27	1.39
084002296	NMB	RECORDED	BC	87.6	H	NM 25	335	0	0	0	47	313	25	52.83	70.19	84.52	84.48	0.04
084004822	BOT	RECORDED	BC	87.7	H	BT 15.1	518	0	0	0	47	80	37	48.04	71	71.24	71	0.24
092003524	NMB	RECORDED	BC	87.6	H	GOBABIS	276	0	0	0	47	322	12	45.7	91.58	91.58	91.58	0
084002560	NMB	RECORDED	BC	88	H	NM 71	127	0	0	0	47	270	-7	43.66	62.33	62.91	62.33	0.58
084000411	AFS	RECORDED	BC	87.8	H	AUGRABIES	452	0	0	0	47	181	25	41.98	68.09	68.26	68.11	0.15
084002416	NMB	RECORDED	BC	87.7	H	OROS	604	0	0	0	47	324	37	40.28	72.75	72.79	72.76	0.03
084000363	AFS	RECORDED	BC	87.7	H	PRIESKA	613	0	0	0	47	160	37	39.39	68.92	69.01	68.94	0.07
084002284	NMB	RECORDED	BC	87.8	H	NM 23	491	0	0	0	47	295	25	38.55	71.61	71.64	71.61	0.03
084004744	BOT	RECORDED	BC	87.8	H	RAKHUNA	524	0	0	0	47	105	25	35.48	75.22	75.24	75.24	0

Showing 1 to 12 of 12 entries

Previous 1 Next

eBCD 2.0 Broadcasting Online

GE84 Channel Search

Adm	E-notice file	Number of Notice
MDA	MDA_4225_IN_SESTA.txt	1

Configuration Information (only results with Nuisance Field Strength (NFS) >= 30 dB (μV/m) will be displayed):

Top 20 only | Consider Tip | TV also | Polarization Discrimination (dB) 10 | Frequency (MHz) From 87.6 To 107.9

Job Output

Input notice file validated by the OnlineValidation process on 6/26/2020 11:54:54 AM

Select the proposed modification

CEADIR-LUNGA (028°50'00"E-46°03'00"N) System 4 Polarization V

GE84 Channel Search Description

Channel Search Summary

Excel

Freq (MHz)	Max NFS (dB(μV/m))	EU (dB(μV/m))	Top five interferers

AssignID	Site Name	Adm	StnCls	Freq (MHz)	Polar	Azimuth (deg)	Distance (km)	Erp (dBW)	Protection Ratio (dB)	NFS (dB(μV/m))	Intent
87.6	**78.41**										
116196808	COMRAT	MDA	BC	87.7	V	155.6	30	34.5	33	78.41	RECORDED
105076823	CHISINAU 3	MDA	BC	87.6	V	180.7	103	37	37	78.08	RECORDED
061001339	ARTSYZ	UKR	BT	88	H	278.6	51	47	17.65	70.26	RECORDED
103011326	ODESA	UKR	BC	87.5	V	253.9	153	37	25	59.28	RECORDED
084018897	SHUMEN	BUL	BC	87.6	H	26.4	333	47.64	37	55.89	RECORDED
87.7	**90.41**										
116196808	COMRAT	MDA	BC	87.7	V	155.6	30	34.5	45	90.41	RECORDED
061001339	ARTSYZ	UKR	BT	88	H	278.6	51	47	17.55	70.16	RECORDED
105076823	CHISINAU 3	MDA	BC	87.6	V	180.7	103	37	25	66.08	RECORDED
116152309	GALATI	ROU	BC	87.7	V	41.3	95	20	37	62.74	RECORDED
120089874	SOROCA OCOLINA	MDA	BC	87.7	V	169.4	236	36	37	58.47	ADD
87.8	**78.41**										
116196808	COMRAT	MDA	BC	87.7	V	155.6	30	34.5	33	78.41	RECORDED
061001339	ARTSYZ	UKR	BT	88	H	278.6	51	47	17.45	70.06	RECORDED
108119608	ODESA	UKR	BC	87.9	V	253.9	153	37	25	59.28	RECORDED
095002837	IASI	ROU	BC	87.8	V	142.4	156	24.8	37	55.38	RECORDED
084101122	SLIVEN	BUL	BC	87.8	H	28.7	420	50	37	53.48	RECORDED

More details in the next session

eBCD 2.0 Broadcasting Online

GE84Opt

Adm	Submitted	Assignable	Non Assignable
AFS	177	86	91
NMB	73	73	0

More details in the next session

Showing results for assignable requirements from NMB

Select requirement:

FLEX-ARIAMSVLEI (019°50'00"E-28°08'00"S) System 4 Polarization H

GE84 Optimization Description

Summary [FLEX-ARIAMSVLEI (019°50'00"E-28°08'00"S) System 4 Polarization H]

Details of the requirement under consideration

Show top 5 interferers in the summary **Show top 5 affected in the summary**

Frequency (MHz)	Top five interferers														
	Assign ID	Adm.	Intent	Class	Freq.	Pol.	Site Name	Dist.	Cold Sea	Warm Sea	Sup. Refr.	ERP	Azim.	Prot. Ratio	NFS	Coord.
FLEX	66	AFS	ADD	BC	FLEX	H	AUGRABIES	73	0	0	0	47	310.9	45	101.16	---
	70	AFS	ADD	BC	FLEX	H	NOENIEPUT	76	0	0	0	47	216.8	45	97.01	---
	248	NMB	ADD	BC	FLEX	H	UR	144	0	0	0	47	118.8	37	89.81	---
	213	NMB	ADD	BC	FLEX	H	NM 5	115	0	0	0	47	141.1	37	89.61	---
	62	AFS	ADD	BC	FLEX	H	HOUMOED	119	0	0	0	47	357.6	37	88.14	---

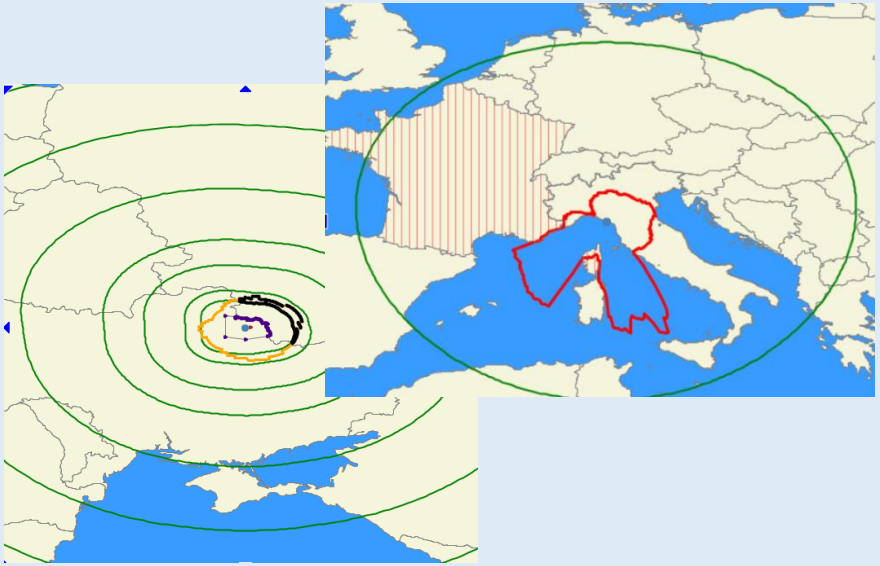
Excel

Frequency (MHz)	Max NFS Generated (dB(µV/m))	Max NFS Received (dB(µV/m))	Top five interferers														
			Assign ID	Adm.	Intent	Class	Freq.	Pol.	Site Name	Dist.	Cold Sea	Warm Sea	Sup. Refr.	ERP	Azim.	Prot. Ratio	NFS	Coord.
87.6	74.23	74.23	084002194	NMB	RECORDED	BC	87.6	H	KEETMANSHOOP	241	0	0	0	47	136.1	37	74.23	---
			084000411	AFS	RECORDED	BC	87.8	H	AUGRABIES	73	0	0	0	47	310.9	7	68.69	---
			084000279	AFS	RECORDED	BC	87.6	H	GARIES	296	0	0	0	37	35.4	37	60.92	---
			084000363	AFS	RECORDED	BC	87.7	H	PRIESKA	321	0	0	0	47	301.8	25	54.8	---
			084000255	AFS	RECORDED	BC	87.6	H	BEAUFORT WEST	525	0	0	0	47	330.1	37	47.92	---
87.7	89.16	89.16	084000411	AFS	RECORDED	BC	87.8	H	AUGRABIES	73	0	0	0	47	310.9	33	89.16	---
			084000363	AFS	RECORDED	BC	87.7	H	PRIESKA	321	0	0	0	47	301.8	37	66.8	---
			084002194	NMB	RECORDED	BC	87.6	H	KEETMANSHOOP	241	0	0	0	47	136.1	25	62.23	---
			084002236	NMB	RECORDED	BC	87.7	H	MARIENTAL	452	0	0	0	47	155.4	37	54.01	---
			084000279	AFS	RECORDED	BC	87.6	H	GARIES	296	0	0	0	37	35.4	25	48.92	---

eBCD 2.0 Broadcasting Online

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)

eBCD 2.0 Broadcasting Online

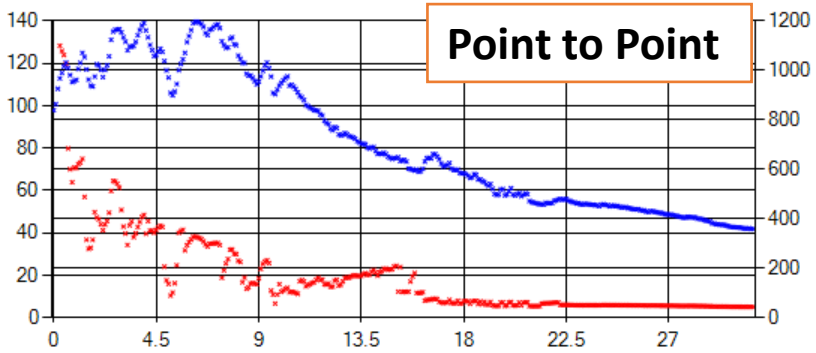
eTools: ITU-R P series calculations

P.1812-5(09-19)

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



Point to Point

Coverage contours now available!

Beta Release!

Point to Area

More during next presentation!

eBCD 2.0 Broadcasting Online

eTools: ITU-R P series calculations

P.1546-6(09-19)

Propagation prediction (empirical model)

- 30 MHz - 4 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

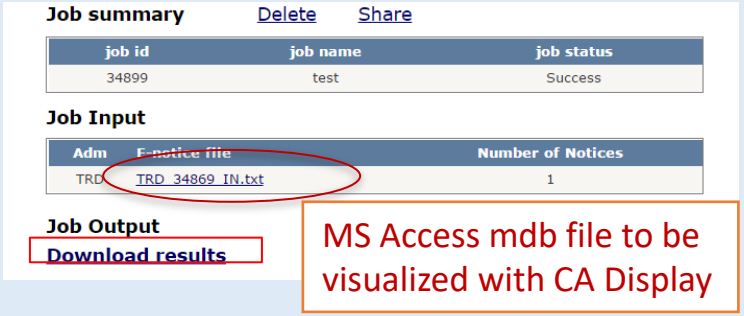
Point to Area

More during next presentation!

eBCD 2.0 Broadcasting Online

eTools: CA Compatibility calculations

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



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)

CA Display manual

CA compat manual

eBCD 2.0 Broadcasting Online

eTools: RJ81
plan modification and what-if studies

Following CITEL 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

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	

RJ81

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

eBCD 2.0 Broadcasting Online

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 ARM ARS AUS AUT AZE BDI BEL BEN BFA BHR BIH BLR BOL BUL CHN CME COG CPV CTI CVA CYP CZE D DJI DNK E EGY EST F FIN G GAB GEO GHA GNE HNG HRV I IND INS IRL IRN J JOR KAZ KGZ KIR KOR LBY LTU LUX LVA MAU MCO MDA MDG MKD MLA MLI MLT MNE MRC MTN NOR NZL OMA PAK PHL POL POR PSE QAT ROU RUS S SDN SEY SNG SRB SSD SUI SVK SVN SYR TGO TUN TUR TZA UAE UGA UKR UZB VTN ZMB ZWE

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

eBCD 2.0 Broadcasting Online

brbcd@itu.int

myAdmin

Focal point only

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
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	VINJEØRA				
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	SKØRSÅSEN				
0001-0183	116098522	NOR	ADD	4	SKJÆRHALLEN				

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

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Plans and MIFR dashboard

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

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

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myAdmin: documents in *MailBox*

Focal point only

myAdmin

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

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

myAdmin

Focal point only

E-mail notification services

Every Sunday 4.00 a.m.

Sun 11/27/2016 4:49 AM

eBCD, ITU

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

Wed 11/23/2016 4:46 AM

eBCD, ITU

Publication of your proposed plan modifications (G)

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

Dear Madam/Sir

The Radiocommu

have just been ent

Latest Coordin

assgn_id	pub_
116113557	119
116113558	119
116150059	122

Wed 11/23/2016 4:46 AM

eBCD, ITU

Publication of plan modifications affecting your administration (RUS)

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

Dear

The R

the re

Plan
GE8

For al

Dear Madam/Sir

The Radiocommunication 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

eBCD 2.0 Broadcasting Online

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; maghraouiimene@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	
GE84	242	70 days reminder	19 Sep 2016	13 Oct 2016	31E(BCD)O-2016-003471	

eBCD 2.0 Broadcasting Online

Thank you!

Questions?

brbcd@itu.int