

Marrakech 13-16 April 2015

# GE06 Planning tools

## أدوات التخطيط GE06

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# Agenda

- *The software tools to be used during the Frequency Coordination process.*
- Specific information in the context of the iterations (ASMG)
- The link between the files considered by the iterations and the Plan data - Additions, Modifications & Suppressions
- The ITU/ASMG Frequency coordination web portal

# Software tools for compatibility studies

- Create notices (*TerRaNotices*)
- Run compatibility calculations (*eTools*)
- Analyze results (*GE06Calc*)



# The software tools to be used during the *Frequency Coordination* process

## 1 - BRIFIC



BR Terrestrial database *TerRaBase*  
*TerRaNotices* (Notice generation & validation)  
*TerRaQ* for queries (linked to *TerRaNotices*)

## 3 - GE06Calc



## 2 - eBCD



eQry  
eTools

TIES users 

Submit your file to the web on *eTools* to the ASMG compatibility Analyses :

Please select the calculation type

GE06

GE06D ASMG Compatibility Analyse

New Calculation

# The BRIFIC



BR IFIC 2777

BR IFIC 2777 - 02/09/2014

English  
Español  
Français  
Русский  
中文  
العربية

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International Telecommunication Union

BR IFIC 2777

BR IFIC 2777 - 02/09/2014

Welcome to the BR International Frequency Information Circular (BR IFIC).

BR IFIC Contents  
Publication Notice  
Guides  
Contact us

Install BR IFIC  
Quit

Language

International Telecommunication Union

Terrestrial Services BR IFIC



# The BR IFIC



The screenshot shows a web browser window titled "BR IFIC 2748". The main content area has a blue background with a sunburst effect. On the left, there are three main categories, each circled in red:

- Publication**: Includes buttons for "Latest Publication" and "MIFR & Plans".
- Software**: Includes buttons for "TerRaQ", "TerRaNV", and "TerRaNotices".
- Documentation**: Includes buttons for "Information Note" and "Preface".

At the bottom left, there are buttons for "Install BR IFIC" and "Back".

On the right side, the text "Latest Publication" is at the top. Below it, the word "Data" is written in red, with a white arrow pointing to the "Latest Publication" button. Further down, the text "The Official Publication portion of the BR IFIC (Terrestrial services) contains:" is followed by a bullet point: "• [Part I, II, III & IIB and Special Sections](#)". Below this, the word "Software" is written in red, with a white arrow pointing to the "TerRaQ", "TerRaNV", and "TerRaNotices" buttons. At the bottom, the word "Documentation" is written in red, with a white arrow pointing to the "Information Note" and "Preface" buttons.

At the bottom of the page, there is a banner with the ITU logo on the left, a central image of a woman talking on a mobile phone, and the text "Terrestrial Services BR IFIC" on the right.

# The BRIFIC



BR IFIC 2748

## Publication

Latest Publication

MIFR & Plans

## Software

TerRaQ

TerRaNV

TerRaNotices

## Documentation

Information Note

Preface

Install BR IFIC

Back

## Latest Publication

The Official Publication portion of the BR IFIC (Terrestrial services) contains:

- [Part I, II, III & IIB and Special Sections](#)

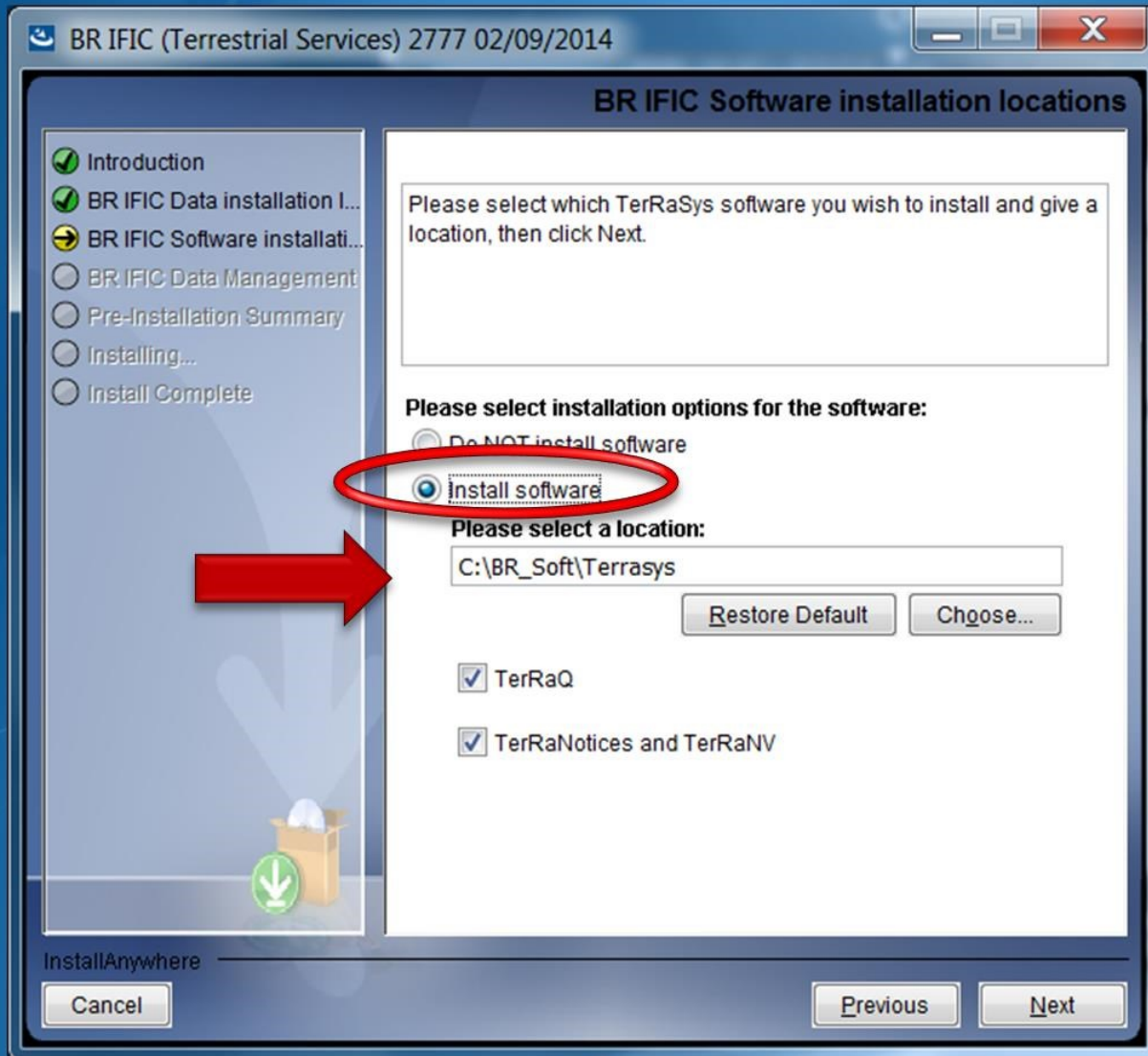
 *Installation*

 International Telecommunication Union



Terrestrial Services BR IFIC

# BRIFIC installation





# Enable Macros in Access – See doc. INFO 8



The screenshot shows the Microsoft Access application window with the Access Options dialog box open. The Trust Center tab is selected in the left-hand pane. In the right-hand pane, under the 'Microsoft Access Trust Center' section, the 'Trust Center Settings...' button is circled in green. An arrow points from this button to the Trust Center dialog box. In the Trust Center dialog box, the 'Macro Settings' tab is selected in the left-hand pane. In the right-hand pane, under the 'Macro Settings' section, the radio button for 'Enable all macros (not recommended; potentially dangerous code can run)' is selected and circled in green. An arrow points from this radio button to the 'OK' button at the bottom right of the Trust Center dialog box. The Windows taskbar is visible at the bottom of the screen, showing the Start button and several application icons. The system tray in the bottom right corner shows the time as 11:11 and the date as 04/04/2014.

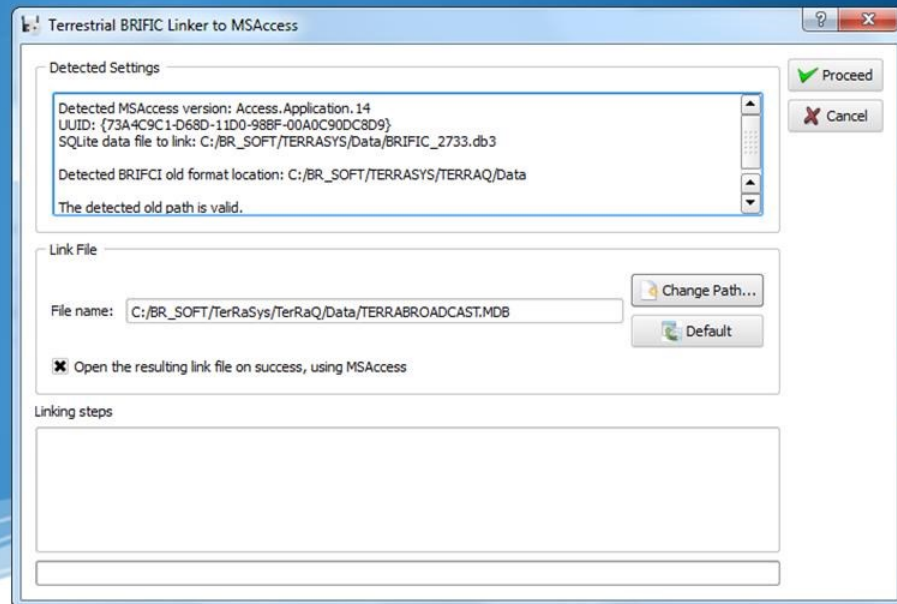
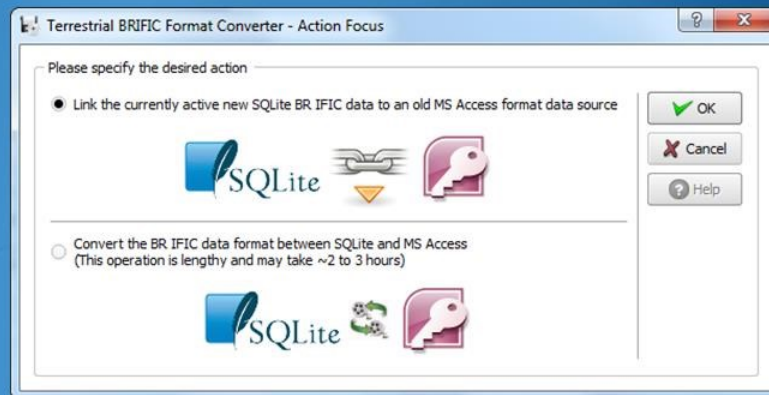
# Terrestrial BR IFIC Format Converter: TerRaQ “external Tools” menu item



In order to enable existing **GE06Calc** (MS Access) to access the data in the BR IFIC database (SQLite), a format converter is also provided.

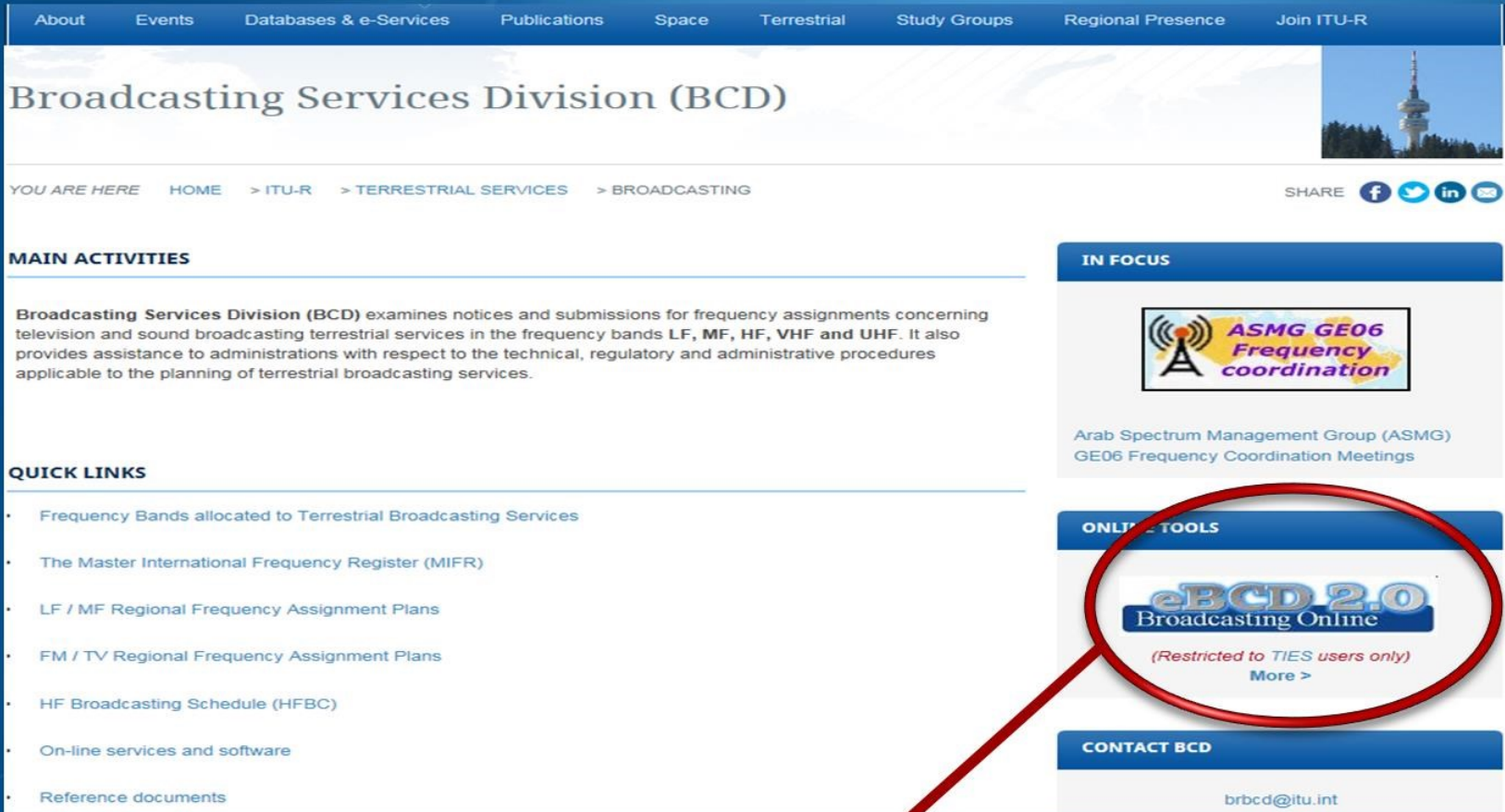
This application is able to provide a quick Microsoft Access “**bridge**” to access the data stored in SQLite format.

See [“How to run GE06Calc with the new BRIFIC.docx”](#)



# Direct Access from BCD Portal

<http://www.itu.int/en/ITU-R/terrestrial/broadcast/Pages/default.aspx>



The screenshot shows the ITU Broadcasting Services Division (BCD) website. The navigation bar includes links for About, Events, Databases & e-Services, Publications, Space, Terrestrial, Study Groups, Regional Presence, and Join ITU-R. The main header features the BCD logo and a tower image. A breadcrumb trail reads: YOU ARE HERE > HOME > ITU-R > TERRESTRIAL SERVICES > BROADCASTING. Social media sharing icons for Facebook, Twitter, LinkedIn, and Email are present.


**MAIN ACTIVITIES**

Broadcasting Services Division (BCD) examines notices and submissions for frequency assignments concerning television and sound broadcasting terrestrial services in the frequency bands LF, MF, HF, VHF and UHF. It also provides assistance to administrations with respect to the technical, regulatory and administrative procedures applicable to the planning of terrestrial broadcasting services.


**QUICK LINKS**

- Frequency Bands allocated to Terrestrial Broadcasting Services
- The Master International Frequency Register (MIFR)
- LF / MF Regional Frequency Assignment Plans
- FM / TV Regional Frequency Assignment Plans
- HF Broadcasting Schedule (HFBC)
- On-line services and software
- Reference documents

**IN FOCUS**

  
Arab Spectrum Management Group (ASMG)  
GE06 Frequency Coordination Meetings

**ONLINE TOOLS**

  
(Restricted to TIES users only)  
More >

**CONTACT BCD**

brbcd@itu.int



eBCD



# eBCD overview

- A TIES Account is necessary.

<http://www.itu.int/en/membership/Pages/default.aspx>

**myAdmin**

**“My own office  
@ ITU: opening ~24/7”**

**ePub**

**“Special Sections,  
the publication day!”**

**eTools**

**“My test calculations  
on-demand”**

**eQry**

**“Fast search  
on Plans and MIFR”**

Read-Only copy of BR  
Database (Updated daily)

GE06	ST61	GE75	MIFR
	GE89	RJ81	(FMTV)
GE84			
	GE06L		



### Search by:

Administration

Geographic Area

Frequency

Date of Receipt

Administration

BR Identification

Unique Identifier

Number

Status

(Recorded/Published)

# ePub

Broadcasting publications on-line (from 01.01.2007)

All BRIFics     Selected BRIfic

GE06     GE06L     GE89     GE84     ST61     RJ81     GE75     MIFR (GE06)

All Administrations     Selected Administration

GE06 Special Sections: click to hide all

Special Section	Part A1	Part B1	Part C1	Part A2	Part B2	Part C2	BR IFIC No	Publication Date	End of 40 day period	End of 75 day period
103	27	986	201	4	1		2792	14 Apr 2015	24 May 2015	28 Jun 2015
102	289	805	1	13	1	1	2790	17 Mar 2015	26 Apr 2015	31 May 2015
101	147	487	10	2	2		2787	3 Feb 2015	15 Mar 2015	19 Apr 2015
100	281	219	2	3	5		2785	6 Jan 2015	15 Feb 2015	22 Mar 2015
99	318	80	9		3		2783	25 Nov 2014	4 Jan 2015	8 Feb 2015



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

# myAdmin

# myAdmin

[GEO](#)

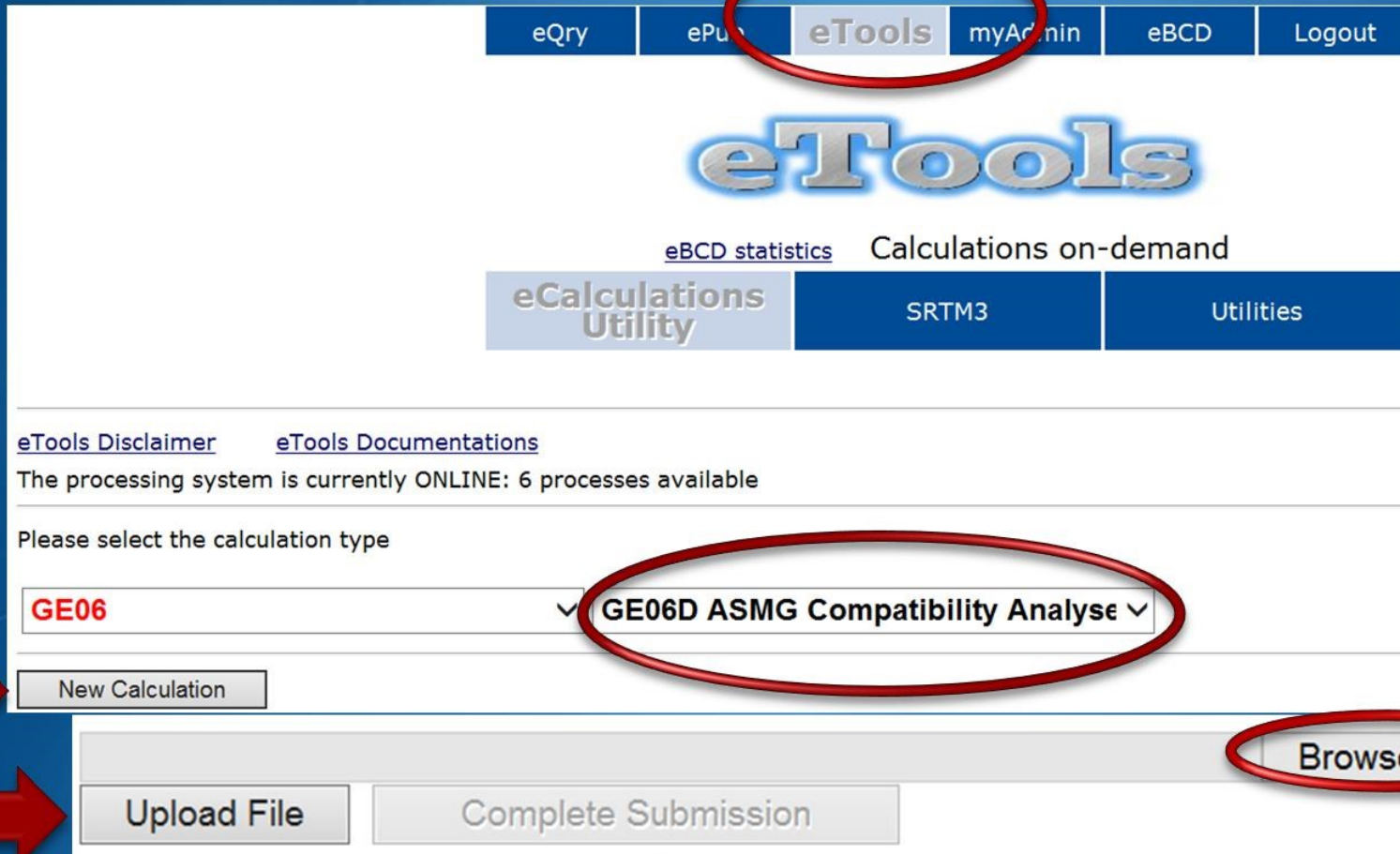
[myProfile](#) Your own office at the ITU (last update: 8 Apr 2015)

[Your](#)[Adm\(ITU\)](#)[MailBox](#)[GEO6D](#)[GEO6A](#)[GE84](#)[ST61](#)[GE75](#)[MIFR](#)[Plan](#)

Recorded Plan entries	<u>2192</u>
Notices under treatment	<u>39</u>
Notices under treatment ready for Part B	<u>2</u>
Notices under treatment receiving objection	<u>8</u>
Notices under treatment which affect me	<u>223</u>
Coordination given in the last period (30 days)	<u>1</u>
Coordination received in the last period (30 days)	<u>1</u>
Notices to be deleted after 2 years and 75 days (30 days early warning)	<u>1</u>

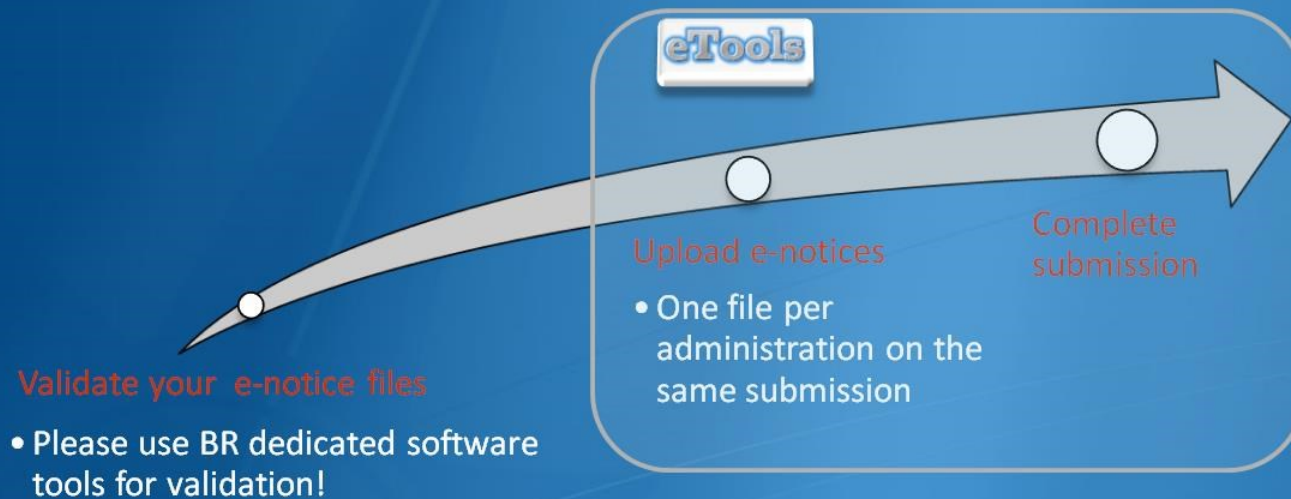
# eTools: e-notice submission to the compatibility analysis

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



The screenshot displays the eTools web interface. At the top, a navigation bar contains links for eQry, ePU, **eTools**, myAdmin, eBCD, and Logout. Below this is the eTools logo and a section for eBCD statistics and on-demand calculations, including eCalculations Utility, SRTM3, and Utilities. A status message indicates the system is ONLINE with 6 processes available. The main form area prompts the user to select a calculation type, with a dropdown menu currently set to **GE06D ASMG Compatibility Analyse**. Below the dropdown is a 'New Calculation' button. At the bottom, there are three buttons: 'Upload File', 'Complete Submission', and 'Browse...'. Red arrows point to the 'New Calculation' and 'Upload File' buttons, and a red oval highlights the 'Browse...' button.

# eTools: e-notice submission



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

*Our new server will handle 28 separate processes*



Check your TIES account!

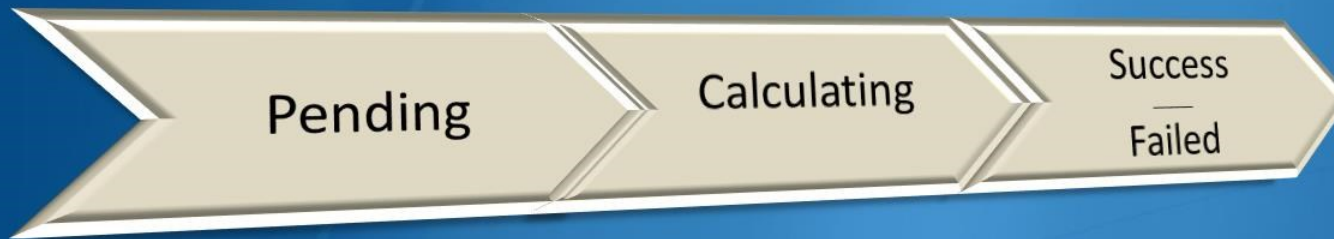
[yourTIESname@ties.itu.int](mailto:yourTIESname@ties.itu.int)



# eTools - Important

- Please make sure that the notice files to be examined for the compatibility analysis have been **validated** by the software tools on the **BRIFIC** such as *TerRaNotices*, before submitting them *eTools*

# eTools: job processing



Job Id	Job Name	Job Status	Job Type	Date of Request	Date of Start Run	Date of Completion	Process	Elapsed Time (minutes)
11943	BHR_KWT_OMA_QAT_UAE	Success	Art4_Compatibility_ServerASMG	4/30/2014 10:11:25 AM	4/30/2014 10:25:41 AM	4/30/2014 10:30:12 AM	BR-GE06-2_4	19
<b>12080</b>	Full_iteration_1bis	Success	Art4_Compatibility_ServerASMG	5/7/2014 5:29:36 PM	5/8/2014 2:09:16 AM	5/8/2014 2:41:29 AM	BR-GE06-2_5	552
12079	Full_iteration_1	Failed	Art4_Compatibility_ServerASMG	5/7/2014 5:15:18 PM	5/7/2014 5:15:24 PM	5/7/2014 5:21:35 PM	BR-GE06-2_4	6

# eTools – Download Results



Test Packages 12080: click to show all

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

job id	job name	job status
12080	Full_iteration_1bis	Success

**Job Input**

Adm	E-notice file	Number of Notices
ALG	<a href="#">ALG.txt</a>	170
ARS	<a href="#">ARS.txt</a>	290
BHR	<a href="#">BHR.txt</a>	104
EGY	<a href="#">EGY.txt</a>	512

**Job Output**  
[Download results](#)

Do you want to open or save **results\_degert\_12080\_hdawlxv91unvipd.mdb.zip** (154 MB) from **br-ge06-2.itu.int**?

Open

Save

Save

Save as

Save and open

Results is an MS Access mdb file for download to be visualized with GE06Calc to be unzipped.



# GE06Calc : Important

- GE06Calc is intended to be an easy-to-use tool for administrations
  - Display in details the compatibility analysis results
  - unofficially examine the conformity of notices with respect to the GE06 Plan before sending them to the BR.
- To be able to benefit from GE06Calc features, please first install the BRIFIC (Terrestrial) DVD applications and database on your PC.
- Examinations are performed taking into account the data on the BRIFIC DVD.



# GE06Calc Software Tool

- PC-based application for unofficial examinations to the GE06 Digital Plan
- Web-based installation from:  
ITU-R->Terrestrial->Broadcasting->Software->GE06Calc  
  
<http://www.itu.int/en/ITU-R/terrestrial/broadcast/Pages/Services.aspx>
- Automatic updates (checking for updates is performed only if and when the application is started)

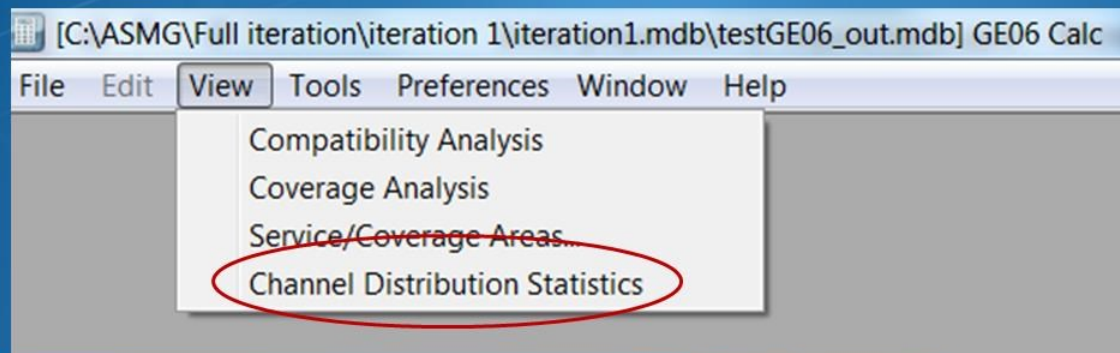
# GE06Calc - Features

- run conformity examination in case of conversion of an allotment into assignments.
- read the results file created through the use of the 'compatibility analysis tool' of the Web application **eBCD**.



# GE06Calc – Results of the compatibility analysis

1. Open compatibility analysis file (saved from eTools)
2. Select option to read the results
3. Analyze the results, reduce incompatibilities and coordinate.



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# New features

- Protection of ARS – OMA – TUN Plan entries (max. margin 3 dB).  
See 1st ASMG coordination meeting Recommendations
- Disregard interference from countries outside the coordination group (see document INFO-9)

Channel Distribution Statistics

Administration - Refresh

Show assignable channels or freq. blocks if the maximum acceptable margin (dB) is: 4

Show assignable channels or freq. blocks if ignoring incompatibilities between requirements where one or both has/have a range of available frequencies

Ignore self incompatibilities  Do not consider interference to the wanted requirement

Ignore interference received up to the max. acceptable margin from adms outside the coordination group (no limit if from within the group)



# Introduction of Elimination information

Coord Required under Art.4

ARS EGY ISR

ARS

ARS SYR

ARS IRQ SYR

ARS

ARS ISR PSE SYR XYZ

ARS EGY ISR

ARS EGY ISR

ARS IRQ SYR

ARS EGY ISR

ARS EGY ISR

ARS EGY ISR

ARS SYR

ARS ISR

ARS SYR

ARS IRQ SYR

PSE SYR XYZ

ARS EGY ISR

ARS EGY ISR

ISR PSE XYZ

EGY ISR

EGY ISR

ARS

EGY ISR

ARS EGY ISR

ISR LBN PSE SYR XYZ

ARS EGY ISR

Not. Typ	Site/Allot Name	SFN Id	signable Ch/blo	Coord Completed	Coord Required under Art.4
GT1	Aqaba				ARS EGY ISR
GT1	Mid South				ARS
GT1	North East			SYR ARS	ARS SYR
GT1	RWASHED			IRQ SYR ARS	ARS IRQ SYR
GT1	SOUTH EAST			ARS	ARS
GT1	SWEILEH B				ARS ISR PSE SYR XYZ
GT1	DISA			EGY ISR ARS	ARS EGY ISR
GT1	JABAL QANASIYA				ARS EGY ISR
GT1	North East 8			IRQ SYR ARS	ARS IRQ SYR
GT1	AQABA MENA				ARS EGY ISR
GT1	BATN AL GHUL				ARS EGY ISR
GT1	DESERT HIGHWAY			EGY ISR ARS	ARS EGY ISR
GT1	IRAQ ST			SYR ARS	ARS SYR
GT1	MAAN MUNICIPALITY			ISR ARS	ARS ISR
GT1	North East			SYR ARS	ARS SYR
GT1	RWASHED			IRQ SYR ARS	ARS IRQ SYR
GT1	AL JUFAH			PSE SYR	PSE SYR XYZ
GT1	Far South 1				ARS EGY ISR
GT1	Far South 2				ARS EGY ISR
GT1	JORDAN VALLEY2			PSE ISR	ISR PSE XYZ
GT1	PETRA REPEATER			EGY ISR	EGY ISR
GT1	RAHMA			EGY ISR	EGY ISR
GT1	South			ARS	ARS
GT1	TAYBA			EGY ISR	EGY ISR
GT1	AQABA MENA				ARS EGY ISR
GT1	BANI KENANAH			LBN PSE ISR SYR	ISR LBN PSE SYR XYZ
GT1	BATN AL GHUL			EGY ISR ARS	ARS EGY ISR
GT1	BATN AL GHUL			EGY ISR ARS	ARS EGY ISR
GT1	EL HASSA				
GT1	JABAL QANASIYA			EGY ISR ARS	ARS EGY ISR
GT1	MAAN MUNICIPALITY			ISR ARS	ARS ISR
GT1	MID East			ARS	ARS
GT1	MID East			SYR ARS	ARS SYR
GT1	RAHMA			EGY ISR	EGY ISR
GT1	SOUTH EAST			ARS	ARS
GT1	Central Irbid				ISR LBN PSE SYR XYZ
GT1	Mid South				ARS
GT1	SAFAWI			SYR ARS	ARS SYR
GT1	AMMAN BAQAA			PSE	PSE XYZ



# Introduction of Article 4 coordination information

Administration JOR

[Administration Unique Identifier](#)

TRCD3\_JORT\_206

Site/Allotment Name

Mid South

Show multi-channel reqs.

Details **Colours** Frequencies Symbols

Geographical area JOR

Notice Type GT1

Not linked

Acceptable Channel/Frequency Block

21

Available Channel/Frequency Block

21

Assigned Channel/Frequency Block

Coord Completed

**Coord Required under Art.4**

ARS

Digital Interferers		Digital Affected							
No.	Adm	Geo Are	Not.Type	Adm Ref Id	Site/Allot Name	SFN Id	Allot	Ch/block	Avail. Ch/block
1	JOR	JOR	DT1	JORT0517	JABAL_ASSUWWA		21	21	
2	JOR	JOR	GT1	TRCD3_JORT_206	SOUTHEAST		21	21	



# Consideration of the coverage & the layers in GE06Calc

Service/Coverage Areas

Service/Coverage Areas

Digital S...  
 Show  
 Digital Service Areas  
 Show multi-channel reqs.

Colours Fre

UHF 21

UHF 69

Multiple Acc

Colours Frequencies Symbols

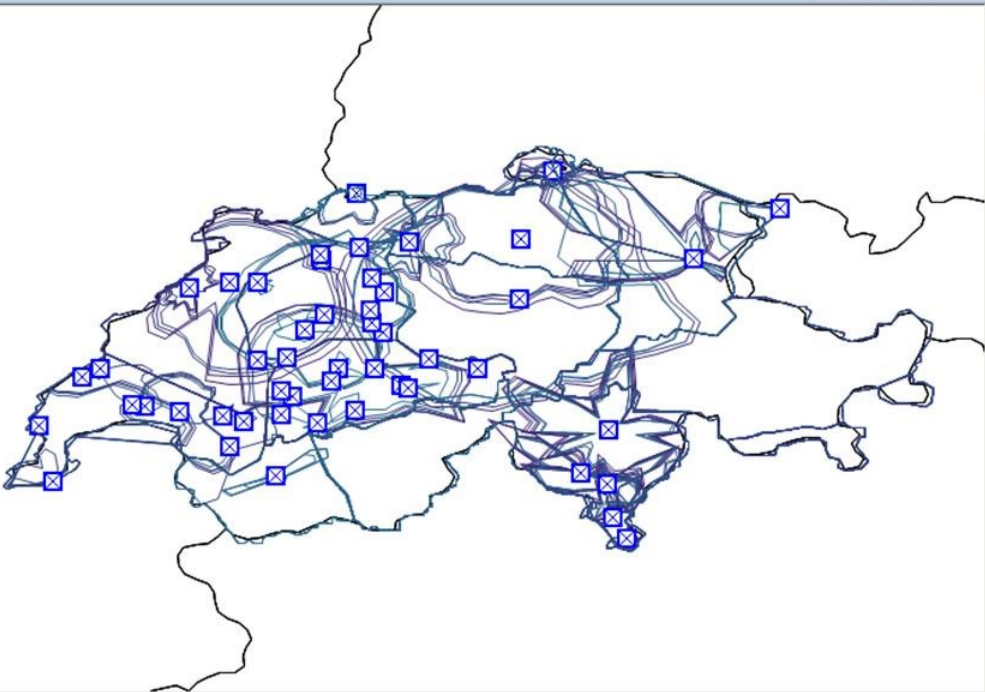
UHF 21

UHF 69

Multiple Acceptable Channel

Tx

Rx



Digital

No	No.	Adm	Geo Are	Adm Ref Id	Not.Type	Site/Allot Name	SFN Id	Ch/block	Avail. Ch/bl	Assigned Ch/block
1	102	SUI	SUI	SUI-UHF-DV	DT1	BEATENBERG NIE		33	33	33
2	103	SUI	SUI	SUI-UHF-DV	GT2	BERNER OBERLAN	012A33	33	33	33
3	104	SUI	SUI	SUI-UHF-DV	DT2	WALLIS	SUI-UHF-D	33	33	33
4	105	SUI	SUI	SUI-UHF-DV	DT2	BASEL	SUI-UHF-D	34	34	34
5	106	SUI	SUI	SUI-UHF-DV	GT2	BASSIN LEMANIQUE	008C34	34	34	34
6	107	SUI	SUI	SUI-UHF-DV	DT1	BETTINGEN S CHR		34	34	34
7	108	SUI	SUI	SUI-UHF-DV	DT1	BREGENZ PFAEND		34	34	34
8	109	SUI	SUI	SUI-UHF-DV	DT1	CHARDONNE MT P		34	34	34
9	110	SUI	SUI	SUI-UHF-DV	DT1	CHATEAU D'OEX S		34	34	34
10	111	SUI	SUI	SUI-UHF-DV	DT1	GINGINS BARILLET		34	34	34
11	112	SUI	SUI	SUI-UHF-DV	DT1	LAUSANNE CHAILL		34	34	34
12	113	SUI	SUI	SUI-UHF-DV	DT1	LAUSANNE RENEN		34	34	34

Identify

Show details

Show general analysis results

Copy value to clipboard

Find...



# Consideration of the coverage & the layers in GE06Calc

**GE06 Selection Criteria**

Digital Broadcasting Services

Recorded Entries

Proposed Modifications

Intent

ADD >

MODIFY <

SUPPRES <<

**Administrations**

AFS >

AGL <

ALB <<

ALG <<

AND <<

ARM <<

ARS <<

**Geographical areas**

AFS >

AGL <

ALB <<

ALG <<

AND <<

AOE <<

ARM <<

Geographic Filter

50 W 0 0

90 N 0 0

170 E 0 0

40 S 0 0

**Notice Type**

DS1 >

DS2 <

DT1 <<

DT2 <<

GS1 <<

**Frequency**

Do not set a filter on Frequency

Band III (VHF)

Band IV/V (UHF)

Frequency range (MHz)

470 862

Frequency (MHz)

**ERP**

Do not set a filter on ERP

ERP range (dBW)

ERP lowest limit (dBW)

Administration Unique Identifier

BR Identification Number

# Consideration of the coverage & the layers in GE06Calc

The screenshot shows the GE06Calc software interface. The 'View' menu is open, with 'Coverage Analysis' highlighted by a red oval. The 'Type of Coverage' section on the left is also highlighted by a red oval, showing radio button options for 'Acceptable Channels', 'Assigned Channels', 'Required Channels', 'Available Channels', and 'No Available Channel'. The 'Required Channels' option is selected. A map of a region is visible in the background, and a 'Covers at this point6' window is open at the bottom right, displaying a table of coverage data.

Covers at this point6			
OMA_G11_OMA8NF0114	SINAW	21 Tx	>
OMA_SFN_BRI_OMA8NF0111	SINAW	26 Tx	>
OMA_G11_OMA8NF0136	SINAW	36 Tx	>
OMA_SFN_BRI_OMA8NF0112	SINAW	42 Tx	>
OMA_G11_OMA8NF0137	SINAW	44 Tx	>
OMA_G11_OMA8NF0176	SINAW	47 Tx	>

**Acceptable:** Plan +Requirements

**Assigned** : Plan

**Required** : Requirements

**Available** : Plan + Requirements –  
Incompatibilities outside ASMG

**No Available** : Incompatibilities  
outside ASMG

# Agenda



- The software tools to be used during the Frequency Coordination process.
- Specific information in the context of the iterations (ASMG)
- ***The link between the files considered by the iterations and the Plan data - Additions, Modifications & Suppressions***
- The ITU/ASMG Frequency coordination web portal



# Link between iterations & Plan data

- The files sent to the iterations should contain *all* the requirements
- The iterations consider all the entries in the Plan for the ASMG below channel 48
- The neighboring countries outside the ASMG are also considered
- For the future iterations, any Administration can decide to SUPPRESS or MODIFY the Plan Assignments/Notices in the iteration files.
- The iterations are a separate, independent process

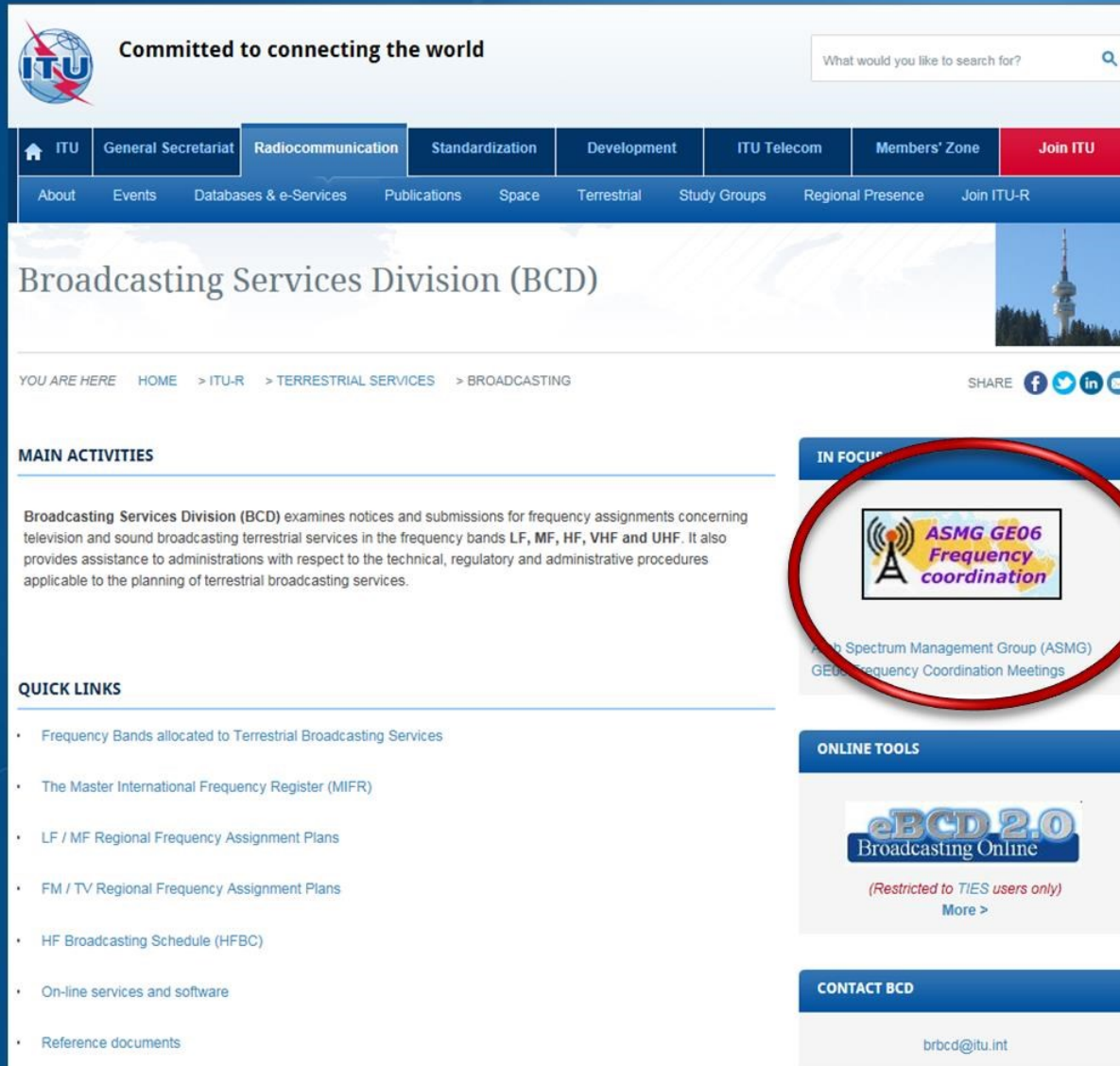
# Agenda



- The software tools to be used during the Frequency Coordination process.
- The new enhancements
- The link between the files considered by the iterations and the Plan data - Additions, Modifications & Suppressions
- ***The ITU/ASMG Frequency coordination web portal***

# Direct Access from BCD Portal

<http://www.itu.int/en/ITU-R/terrestrial/broadcast/Pages/default.aspx>



The screenshot shows the ITU website's navigation menu with 'Join ITU' highlighted in red. The main content area features the BCD title and a description of its activities. A red circle highlights the 'ASMG GE06 Frequency Coordination' banner in the 'IN FOCUS' section. Below it, the 'ONLINE TOOLS' section features the 'eBCD 2.0 Broadcasting Online' logo and a link to 'More >'. The 'CONTACT BCD' section at the bottom provides the email address 'brbcd@itu.int'.

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## Broadcasting Services Division (BCD)

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### MAIN ACTIVITIES

**Broadcasting Services Division (BCD)** examines notices and submissions for frequency assignments concerning television and sound broadcasting terrestrial services in the frequency bands LF, MF, HF, VHF and UHF. It also provides assistance to administrations with respect to the technical, regulatory and administrative procedures applicable to the planning of terrestrial broadcasting services.


### QUICK LINKS

- Frequency Bands allocated to Terrestrial Broadcasting Services
- The Master International Frequency Register (MIFR)
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- FM / TV Regional Frequency Assignment Plans
- HF Broadcasting Schedule (HFBC)
- On-line services and software
- Reference documents

### IN FOCUS

  
ASMG GE06 Frequency Coordination Meetings

### ONLINE TOOLS

  
*(Restricted to TIES users only)*  
More >

### CONTACT BCD

brbcd@itu.int



# Direct Access from ASMG web page

## Arab Spectrum Management Group (ASMG) - GE06 Frequency Coordination Meetings

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The aim of this activity is to assist the ASMG ITU Member States in coordinating the necessary modifications to the [GE06 Digital Plan](#), in order to ensure the availability for each country in the region, on an equitable basis, of the spectrum resources required to support at least four TV multiplexes with national coverage, including the frequency assignments or allotments already recorded in the GE06 Digital Plan, in the band 470-694 MHz.

This activity is intended to enable the concerned administrations to successfully apply the relevant procedures of the GE06 Agreement and the Radio Regulations in order to modify the GE06 Digital Plan and bring in service their frequency assignments to the broadcasting and mobile services in the UHF band without harmful interference.

Submissions to modify the Plan GE06 should be sent through [WISFAT](#).

### PLANNING TOOLS

- [eTools](#) - Runs compatibility calculations and other routines.
- [GE06Calc](#) - View compatibility results (output of eTools).
- [SRTM3](#) - Effective antenna heights calculator, also available in [TerRaNotices](#).

### RELEVANT COORDINATION MEETINGS

- Coordination Meeting - Digital Terrestrial TV in UHF Bands & Digital Dividend, Marrakech, Morocco, 13-16 April 2015:

[Final Program](#)

[ITU Invitation letter: A, E, F, S](#)

[Administrative information from Administration of Morocco](#)

[Registration form](#)

### NEWSFLASHES

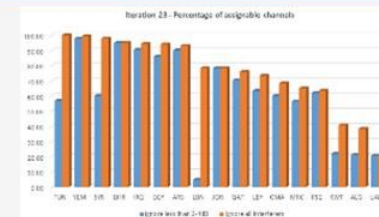
#### Next Iteration:

Deadline for requirement submissions for **Iteration 24** is **13 April 2015**, 18:00 Marrakech time (Frequency coordination timeline).

The file must be validated using [TerRaNotices](#) and submitted to [BRBCD@itu.int](mailto:BRBCD@itu.int)

- The 3rd GE06 ASMG coordination meeting will be held from 13 to 16 April 2015 in Marrakech, Morocco.

### ITERATION RESULTS AND STATISTICS



- [Iteration 23: notices, results, statistics](#)

• [Previous iterations](#)

*Thank you*  
*Merci beaucoup*

شكرا