

GE06 Planning tools

أدوات التخطيط GE06

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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

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- *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

Software tools for compatibility studies

- Create notices (*TerRaNotices*)
- Run compatibility calculations (*eTools*)
- Analyse 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
<input type="button" value="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

BRIFIC
International Frequency Information Circular
(Terrestrial Services)

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 categories of links, each circled in red:

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

On the right side, there is a "Latest Publication" section with the text: "The Official Publication portion of the BR IFIC (Terrestrial services) contains:" followed by a link: "• [Part I, II, III & IIB and Special Sections](#)".

Three large, light-colored arrows point from the right towards the red circles, with red text labels next to them:

- An arrow points to the "Latest Publication" button, labeled *Data*.
- An arrow points to the "TerRaQ", "TerRaNV", and "TerRaNotices" buttons, labeled *Software*.
- An arrow points to the "Information Note" and "Preface" buttons, labeled *Documentation*.

At the bottom left, there are buttons for "Install BR IFIC" and "Back". At the bottom, there is a banner with the ITU logo, the text "International Telecommunication Union", a collage of images (a woman on a phone, a hand holding a device, a globe), and the text "Terrestrial Services BR IFIC".

Enable Macros in Access – See doc. INFO 8



The screenshot shows the Microsoft Access application window with the ribbon at the top. The 'Access Options' task pane is open on the left, and the 'Trust Center' section is selected. A green circle highlights the 'Trust Center Settings...' button. An arrow points from this button to the 'Trust Center' dialog box. In the 'Trust Center' dialog, the 'Macro Settings' section is selected, and the radio button for 'Enable all macros (not recommended; potentially dangerous code can run)' is selected. A green circle highlights this radio button. An arrow points from this radio button to the 'OK' button at the bottom of the dialog box. The Windows taskbar is visible at the bottom of the screen.

The BRIFIC



The screenshot shows a web browser window titled "BR IFIC 2748". The interface has a blue background with a radial light effect. On the left side, there is a vertical menu with several categories and sub-items:

- Publication**
 - Latest Publication
 - MIFR & Plans
- Software**
 - TerRaQ
 - TerRaNV
 - TerRaNotices
- Documentation**
 - Information Note
 - Preface
- Install BR IFIC
- Back

The main content area is titled "Latest Publication" and contains the following text:

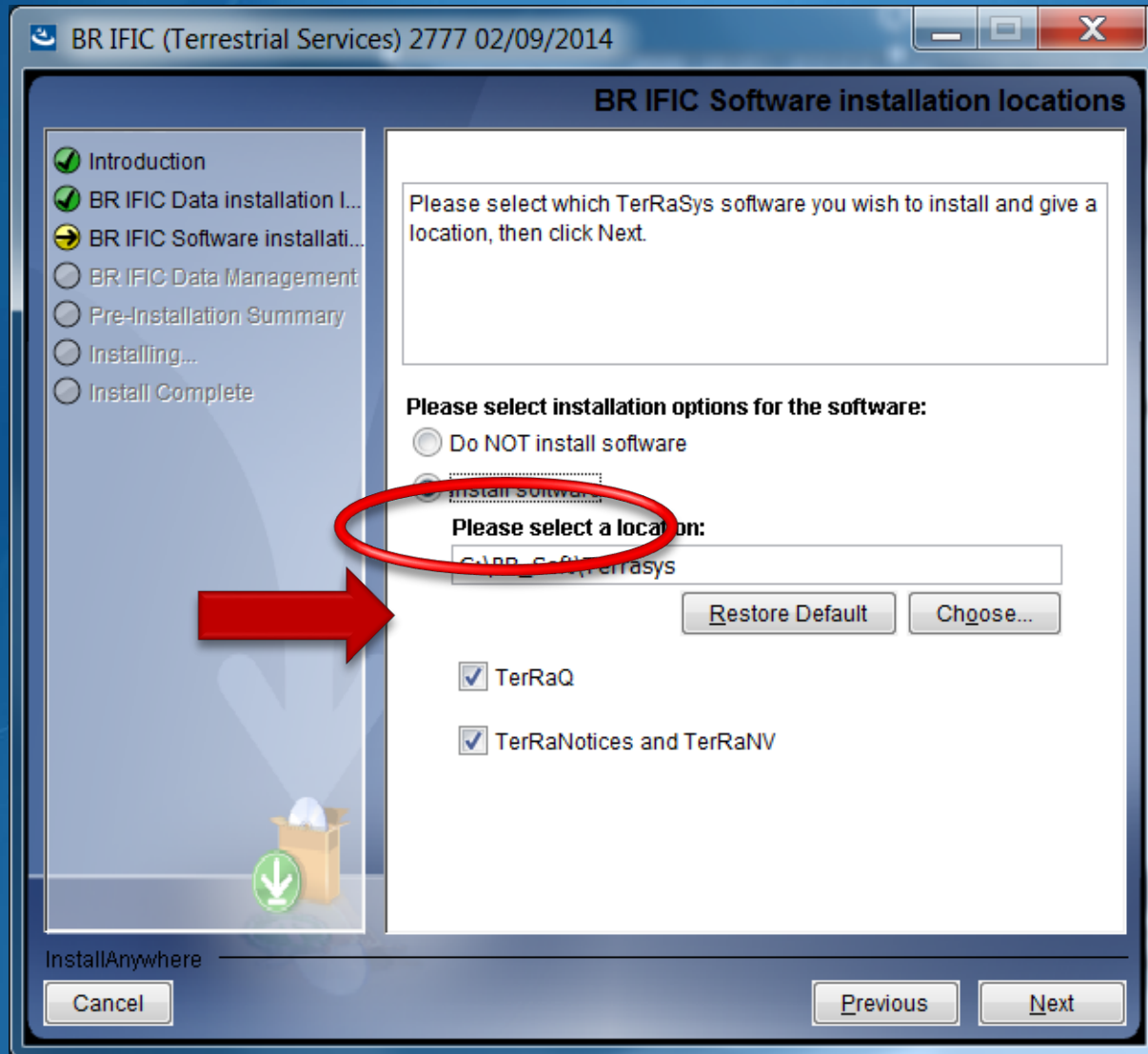
The Official Publication portion of the BR IFIC (Terrestrial services) contains:

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

A large orange arrow points from the "Install BR IFIC" button to the word "Installation" written in red, italicized font.

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

BRIFIC installation



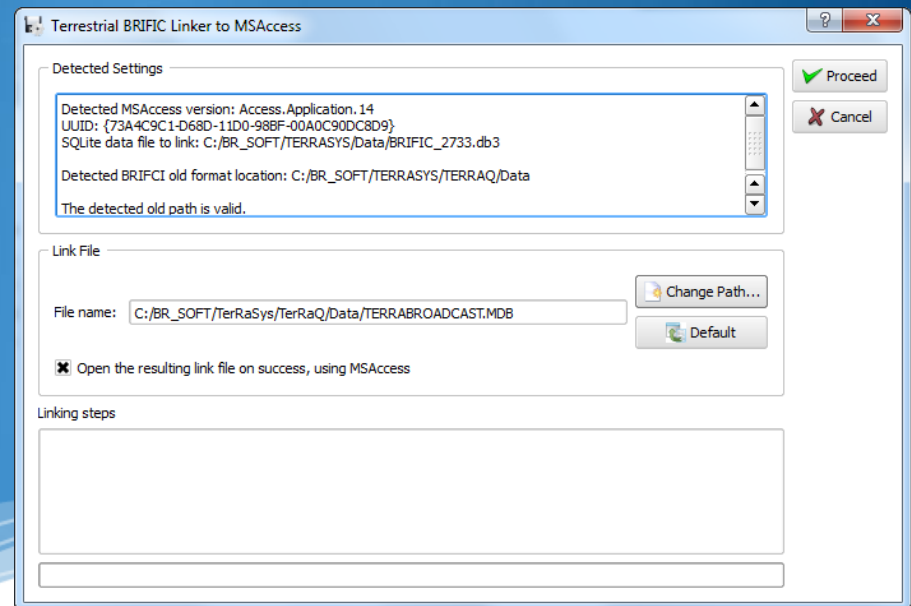
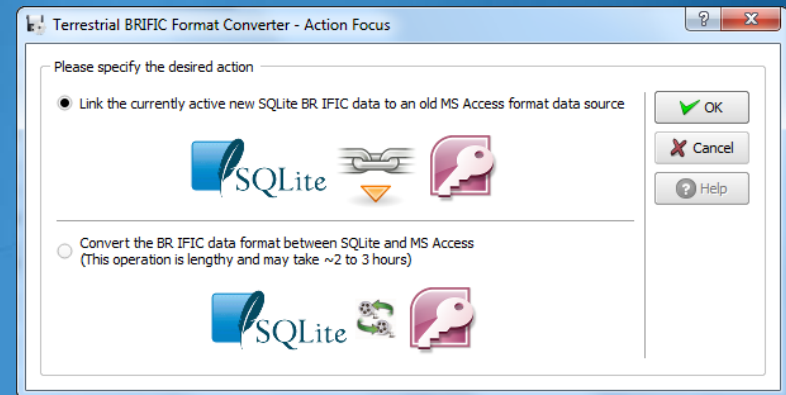
Terrestrial BR IFIC Format Converter: TerRaQ “external Tools” menu item



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

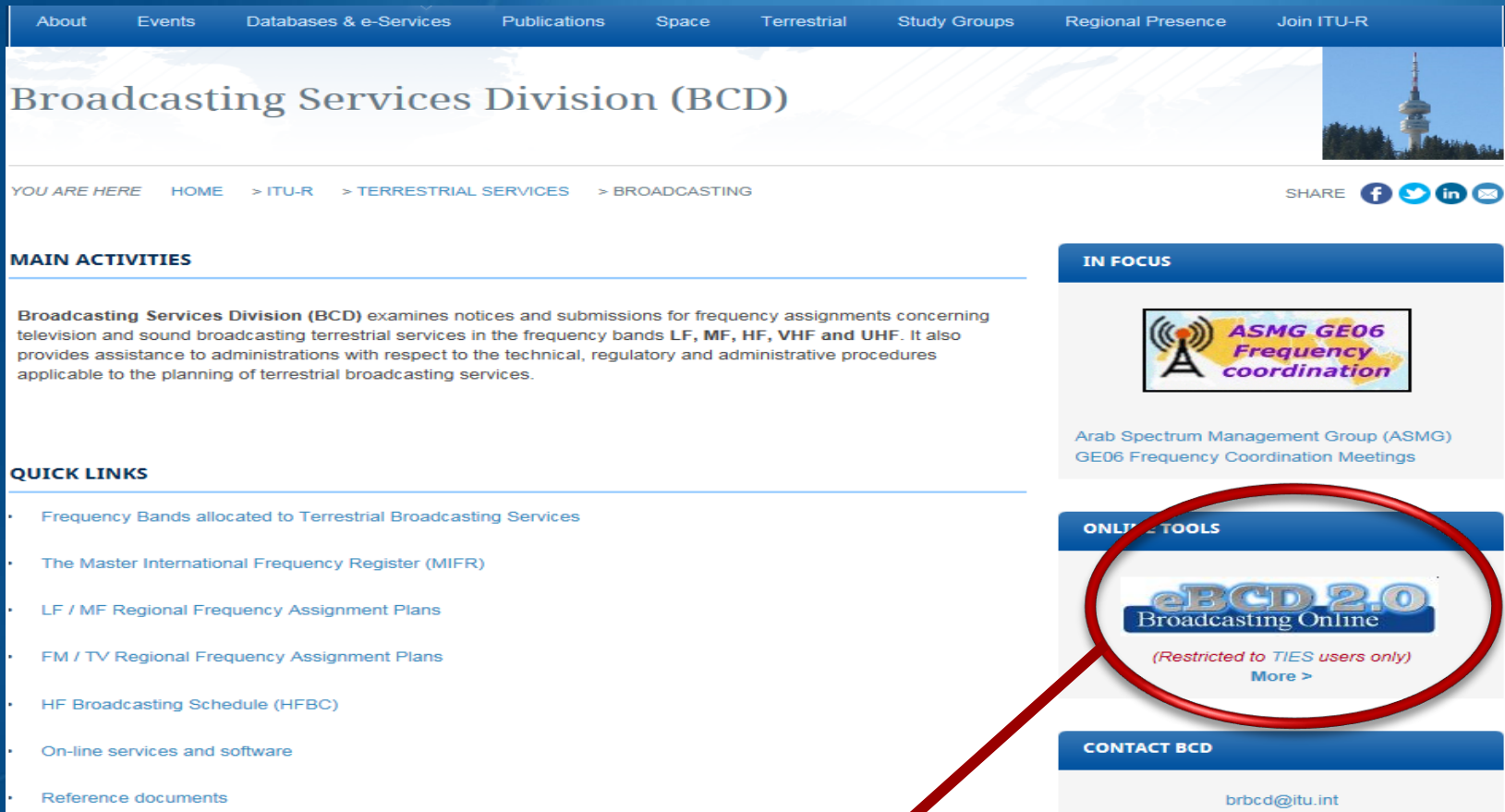
This application is able to provide a quick Microsoft Access “*bridge*” to access the data stored in SQLite format.

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



Direct Access from BCD Portal

<http://www.itu.int/ITU-R/terrestrial/broadcast/index.html>



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 title and a tower image. A breadcrumb trail reads: YOU ARE HERE > HOME > ITU-R > TERRESTRIAL SERVICES > BROADCASTING. Social media share icons for Facebook, Twitter, LinkedIn, and Email are present. The 'MAIN ACTIVITIES' section describes the BCD's role in examining frequency assignments for LF, MF, HF, VHF, and UHF bands. The 'QUICK LINKS' section lists various resources. The 'IN FOCUS' section highlights the ASMG GE06 Frequency Coordination Meetings. The 'ONLINE TOOLS' section features the eBCD 2.0 Broadcasting Online tool, which is circled in red with a red arrow pointing to a larger eBCD logo at the bottom of the slide. The 'CONTACT BCD' section provides the email address brbcd@itu.int.



eBCD overview

- A TIES Account is necessary.

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

myAdmin

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

BR DB

Daily copy

ePub

*"Special sections,
the publication day!"*

BR DB

Snapshot

eTools

*"My test calculations
on-demand"*

BR DB

Weekly copy

eQry

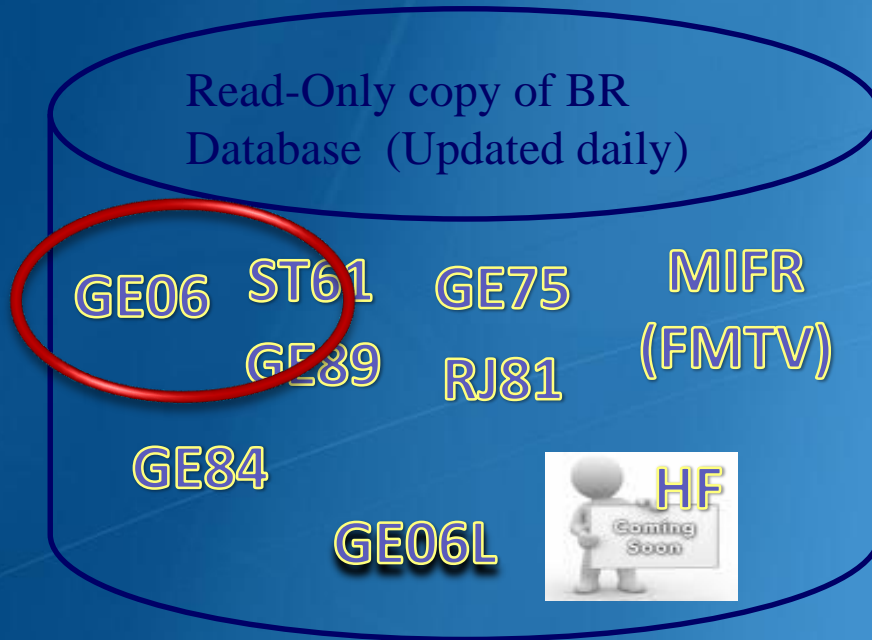
*"Fast search
on Plans and MIFR"*

BR DB

Daily copy

"Online search
on Plans and MIFR"

eQry

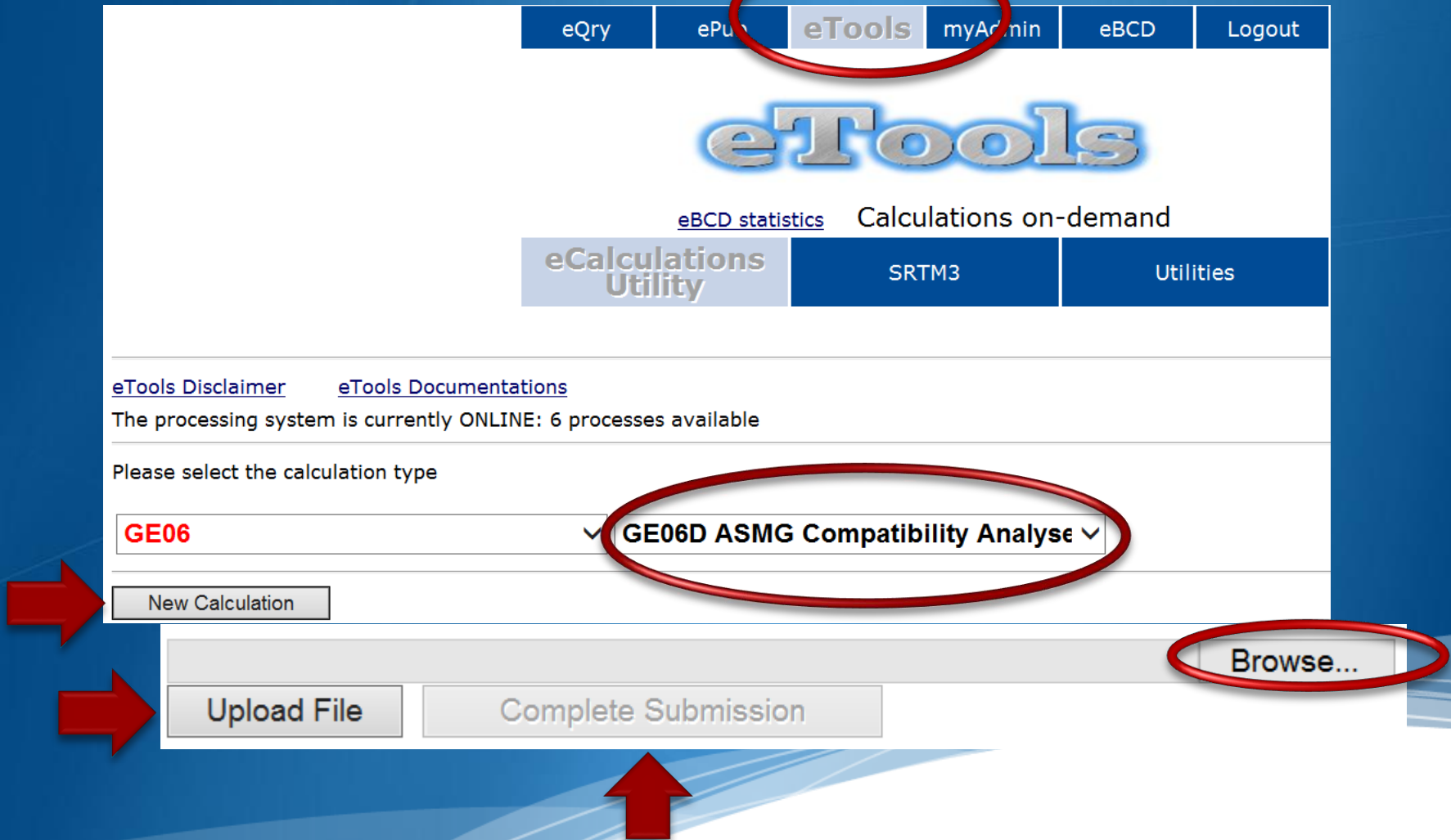


Search by:

- Administration
- Geographic Area
- Frequency
- Date of Receipt
- Administration
- BR Identification
- Unique Identifier
- Number
- Status
(Recorded/Published)

eTools: e-notice submission to the compatibility analysis

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



The screenshot shows 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 the text "Calculations on-demand". A secondary navigation bar includes "eCalculations Utility", "SRTM3", and "Utilities".

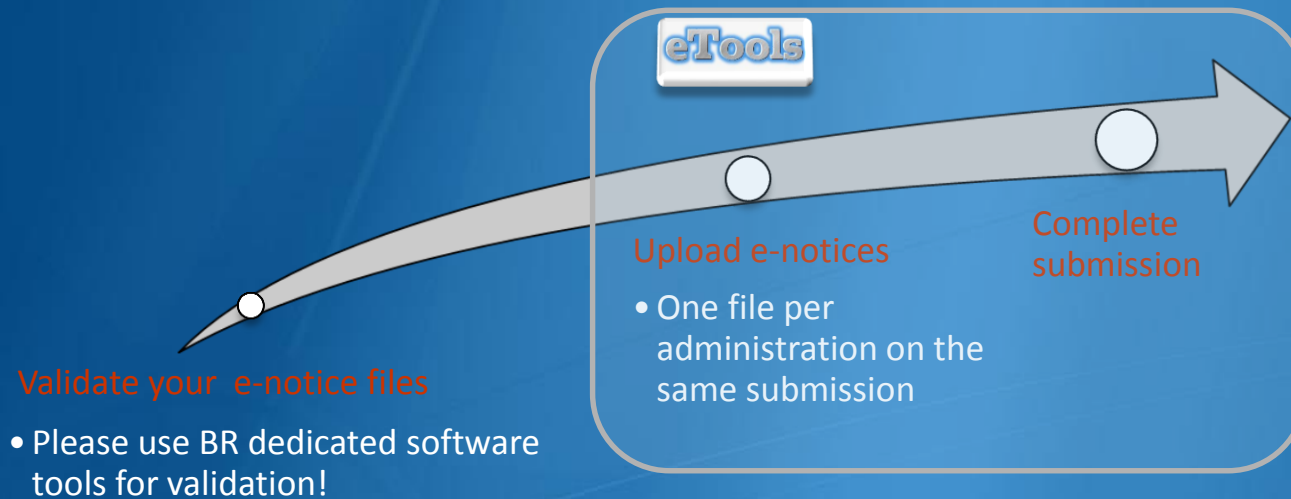
Below the navigation, there are links for "eTools Disclaimer" and "eTools Documentations". A status message reads: "The processing system is currently ONLINE: 6 processes available".

The main section is titled "Please select the calculation type". It features a dropdown menu with "GE06" on the left and "GE06D ASMG Compatibility Analyse" on the right. A "New Calculation" button is located below the dropdown.

At the bottom, there are three buttons: "Upload File", "Complete Submission", and "Browse...".

Red annotations include: a circle around the "eTools" link in the top navigation bar; a circle around the "GE06D ASMG Compatibility Analyse" dropdown option; a circle around the "Browse..." button; and three red arrows pointing to the "New Calculation", "Upload File", and "Complete Submission" buttons.

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



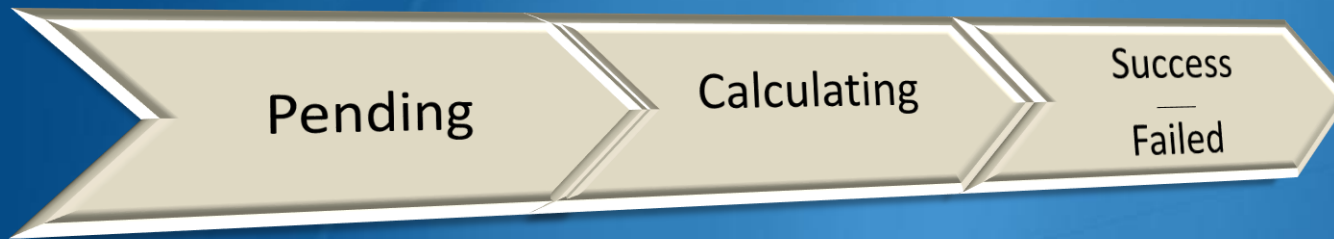
Check your TIES account!

yourTIESname@ties.itu.int

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
12080	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	ALG.txt	170
ARS	ARS.txt	290
BHR	BHR.txt	104
EGY	EGY.txt	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 GE06 Plan and MIFR data on the BRIFIC DVD.

GE06Calc Software Tool

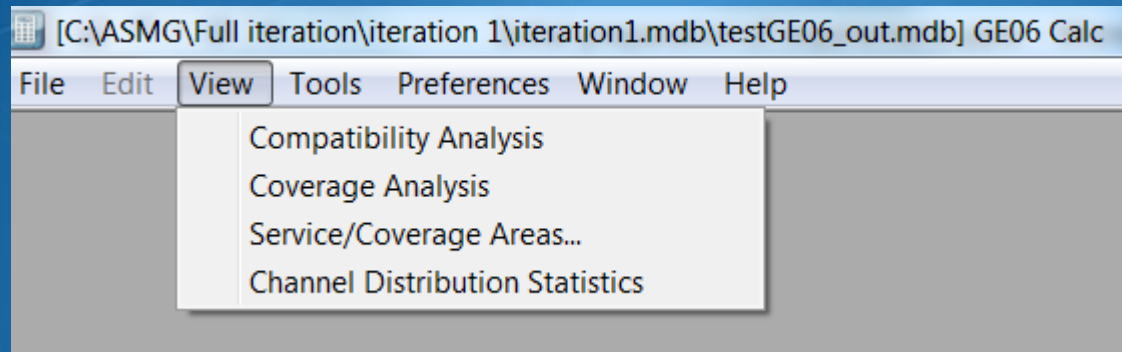
- PC-based application for unofficial examinations to the GE06 Digital Plan
- Web-based installation from:
ITU-R->Terrestrial->Broadcasting->Software->GE06Calc
<http://www.itu.int/ITU-R/terrestrial/broadcast/software/ge06calc/>
- Automatic updates (checking for updates is performed only if and when the 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 – Usage to read 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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Protection of ARS – OMA – TUN Plan entries

Channel Distribution Statistics

Administration

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

Apply ASMG 3dB Protection to Plan Entries of ARS-OMA-TUN

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

The agreements submitted in the <COORD> section are always taken into account!

Impact on the results of iteration 6

Number of assignable channels

Administration code	4dB margin	3dB margin (ARS-OMA-TUN)
<i>EGY</i>	292	291
<i>IRQ</i>	140	139
<i>JOR</i>	166	163
<i>KWT</i>	3	2
<i>OMA</i>	200	194
<i>QAT</i>	40	39
<i>UAE</i>	71	59
<i>YEM</i>	575	573

Introduction of Article 4 coordination examination

[C:\ASMG\Full iteration\iteration 6\iteration6Results_WithCoord.mdb] GE06 Calc - [General Analysis Results]

File Edit View Tools Preferences Window Help

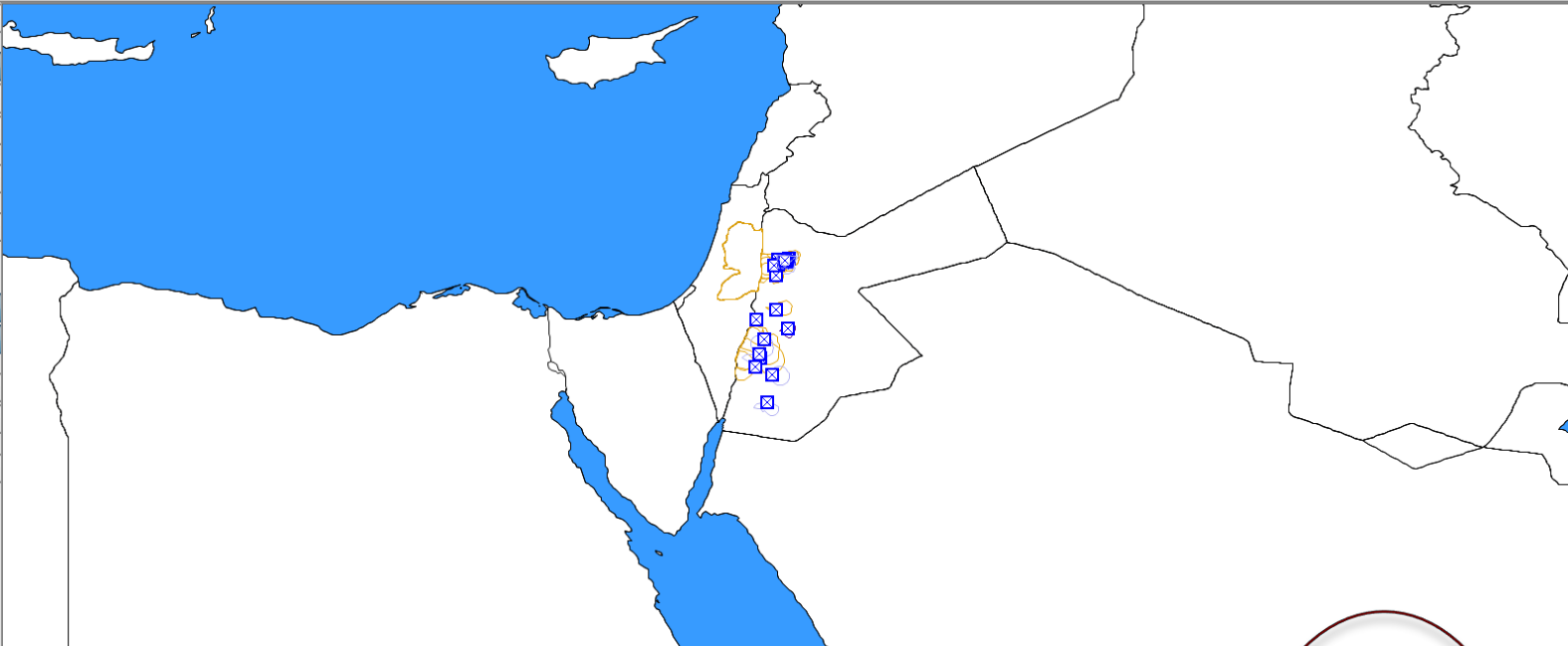
Administration JOR
 Administration Unique Identifier
 TRCD1_JORT966
 Site/Allotment Name
 EL HASSA
 Show multi-channel reqs.

Details Colours Frequencies Symbols

Geographical area JOR
 Notice Type GT1
 Not linked

Acceptable Channel/Frequency Block
 27
 Available Channel/Frequency Block
 27
 Assigned Channel/Frequency Block

Coord Completed
 Coord Required
 ISR



Digital Interferers Digital Affected

No.	Adm	Geo Are	Not.Type	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm R	Ch/block	Avail. Ch/block	Assigned C	8BH (dBW)	8BV (dBW)	Wanted Ch	Interf. Chan	Distance (k)	CNFS (dB(u	Margin (dB) Relation
5	JOR	JOR	GT1	TRCD1_JORT981	BEER KHADAD			21-22,25-27	21-22,25,30,34-36,38,40,43-		30	27	27	27	72.5	60	7.57 Interference
6	JOR	JOR	GT1	TRCD2_JORT942	KARAK			21-48	21-25,27-28,30,32,34-38,40,		27	27	27	27	25.7	58.9	6.7 Interference
7	JOR	JOR	GT1	TRCD4_JORT936	MAAN MUNICIPALI			27	27		33	27	27	27	86.8	58.4	5.66 Interference
8	JOR	JOR	GT1	TRCD1_JORT940	GOUR SAFI			21-48	21-25,27,30,34-38,40,43-44,		23	27	27	27	92.8	57.5	5.62 Interference
9	JOR	JOR	GT1	TRCD1_JORT998	WADI MOUSA			21-29,31-37	21-22,24,26,34-36,40,43-44,		30	27	27	27	87.3	57.1	5.38 Interference
10	JOR	JOR	DT2	JORT0724	AMMAN2			27	27	27			27	27	102.8	52.6	2.32 Interference
11	JOR	JOR	GT1	TRCD1_JORT949	MADABA			21-48	21-25,28,30,34-38,40,43-44,		23	27	27	27	97.8	51.1	2.06 Interference
12	JOR	JOR	DT2	JORT0736	AMMAN1			27	27	27			27	27	106.5	51.1	1.77 Interference
13	JOR	JOR	GT1	TRCD1_JORT922	AMMAN NAOUR			21-48	21-25,28,30,34-38,40,43-44,		23	27	27	27	114.9	49.4	1.51 Interference
14	JOR	JOR	GT1	TRCD1_JORT911	AMMAN QUWASME			21-48	21-25,27-28,30,32,34-38,40,		23	27	27	27	123.1	49.1	1.43 Interference
15	PSE	XWB	GT2	BR4_PAL3BE701T10D	WB	BR4_PAL3		21-48	21,24-25,35-36,43			27	27	27	80.3	49.9	1.41 Interference
16	PSE	XWB	GT2	BR3_PAL3BE701T10D	WB	BR3_PAL3		21-48	21,24-25,35-36,43			27	27	27	80.3	49.9	1.41 Interference
17	PSE	XWB	GT2	BR2_PAL3BE701T10D	WB	BR2_PAL3		21-48	21,24-25,35-36,43			27	27	27	80.3	49.9	1.41 Interference
18	PSE	XWB	GT2	BR1_PAL3BE701T10D	WB	BR1_PAL3		21-48	21,24-25,35-36,43			27	27	27	80.3	49.9	1.41 Interference
19	JOR	JOR	GT1	TRCD1_JORT907	AMMAN MARKA	TRCD_OLD		21-48	21-25,28,30,34-38,40,43-44,		23	27	27	27	125.4	49.1	1.41 Interference
20	JOR	JOR	GT1	TRCD1_JORT984	HUSBAN			21-22,25-27	21-22,25,30,34-38,40,43-44,		30	27	27	27	113.5	49	1.4 Interference
21	JOR	JOR	GT1	TRCD1_JORT910	AMMAN QUWASME			21-48	21-25,27,28,30,32,34-38,40,		23	27	27	27	122.0	49	1.39 Interference



Introduction of Article 4 coordination information

http://br-ge06-1/ITU-R/GE06Web/BETA/GE06D/MemberPages/eCalculations.aspx

Basic Security In The Fi... Notions de base de séc... Course: BSITF (Other U... Notions de base de séc... Course: ASITF (other U... eCalculations ITU Publications: Final ...

File Edit View Favorites Tools Help

Home - Terrestrial Project... List of all geographical ar... Web Slice Gallery

GE06D GE06D: TRCD1_JORT966 Coordination Exam Result

Proposed Modification

Adm	Geo	Area	Intent	Site Name	Freq	Assgn(MHz)	PE	Longitude	Latitude	ErpH(dBW)	ErpV(dBW)	Height Agl(m)	Site Alt(m)	Dir	Polar	Eff_H_Max(m)
JOR	JOR	ADD	EL HASSA		522	1S	035E5800	30N5400	27			30	879	ND	H	73

Distance Location Identify Other Services

Reference Point

Longitude	Latitude
035E5800	30N5400

1000 Km contour

Administration within 1000 Km contour

ARS	CYP	EGY	GRC	IRN	IRQ	ISR	LBN
PSE	SDN	SYR	TUR	XYZ			

Broadcasting Coordination Contour

Trigger FS (dB(μV/m)): 21
Rx Antenna Height (m) 10

Affected Administrations

ISR

Broadcasting Coordination Contour

Azi(°)	Geographic Location	Dist(km)	FS (dB(μV/m))
0	035E5800-31N3709	80	22.0
1	035E5853-31N3709	80	22.2
2	035E5946-31N3708	80	22.3
3	036E0039-31N3706	80	22.5
4	036E0132-31N3703	80	22.6
5	036E0225-31N3659	80	22.8
6	036E0358-31N4217	90	21.1
7	036E0457-31N4211	90	21.2
8	036E0556-31N4204	90	21.3
9	036E0656-31N4157	90	21.4
10	036E0754-31N4148	90	21.5
11	036E0853-31N4139	90	21.7
12	036E0952-31N4129	90	21.9
13	036E1050-31N4118	90	22.0
14	036E1148-31N4106	90	22.2

100%

Introduction of Article 4 coordination information

[C:\ASMG\Full iteration\iteration 6\iteration6Results_WithCoord.mdb] GE06 Calc - [General Analysis Results]

File Edit View Tools Preferences Window Help

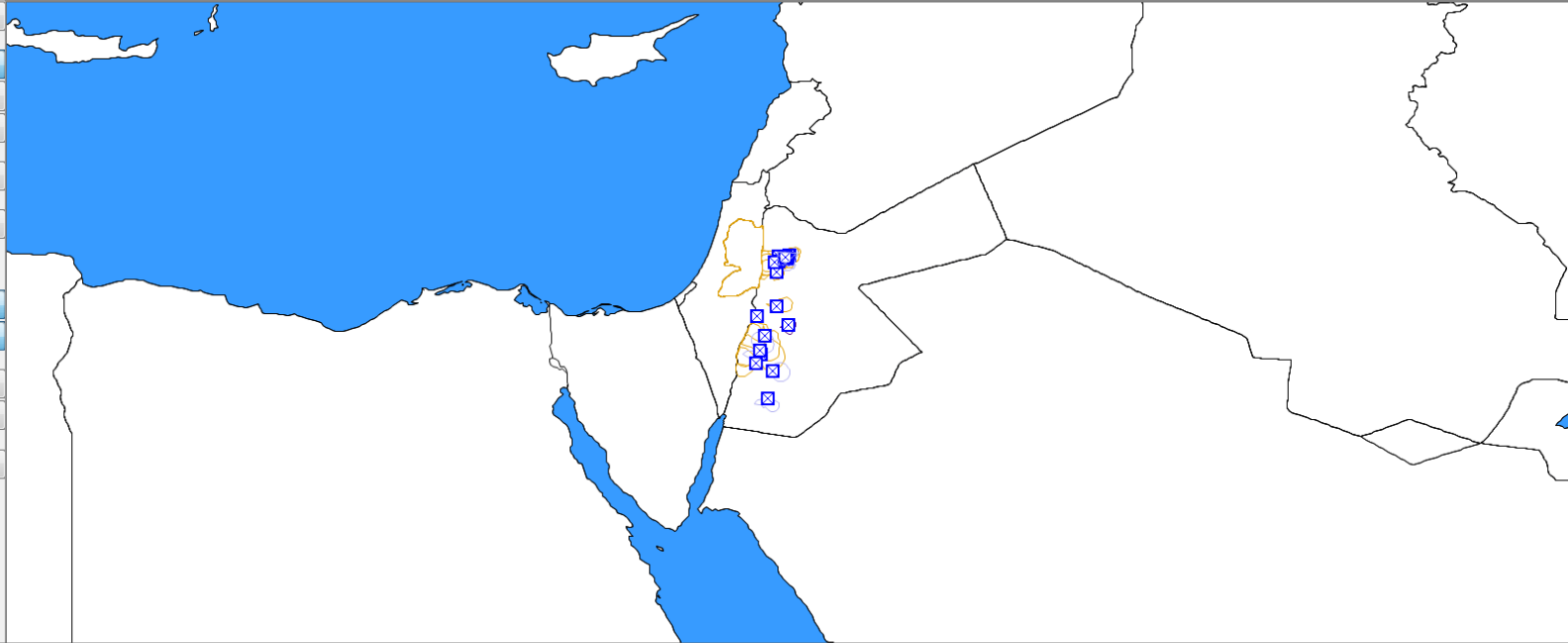
Administration JOR
 Administration Unique Identifier
 TRCD1_JORT966
 Site/Allotment Name
 EL HASSA
 Show multi-channel reqs.

Details Colours Frequencies Symbols

Geographical area JOR
 Notice Type GT1
 Not linked

Acceptable Channel/Frequency Block
 27
 Available Channel/Frequency Block
 27
 Assigned Channel/Frequency Block

Coord Completed
 Coord Required
 ISR



Digital Interference Digital Affected

No.	Adm	Geo Are	Not Typ	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm R	Ch/block	Avail. Ch/block	Assigned C	8BH (dBW)	8BV (dBW)	Wanted Ch	Interf. Chan	Distance (k)	CNFS (dB(u)	Margin (dB)	Relation
5	JOR	JOR	GT1	TRCD1_JORT981	BEER KHADAD			21-22,25-27	21-22,25,30,34-36,38,40,43-		30	27	27	27	72.5	60	7.57	Interference
6	JOR	JOR	GT1	TRCD2_JORT942	KARAK			21-48	21-25,27-28,30,32,34-38,40,		27	27	27	27	25.7	58.9	6.7	Interference
7	JOR	JOR	GT1	TRCD4_JORT936	MAAN MUNICIPAL			27	27		33	27	27	27	86.8	58.4	5.66	Interference
8	JOR	JOR	GT1	TRCD1_JORT940	GOUR SAFI			21-48	21-25,27,30,34-38,40,43-44,		23	27	27	27	52.8	57.5	5.62	Interference
9	JOR	JOR	GT1	TRCD1_JORT998	WADI MOUSA			21-29,31-37	21-22,24,26,34-36,40,43-44,		30	27	27	27	87.3	57.1	5.38	Interference
10	JOR	JOR	DT2	JORT0724	AMMAN2			27	27	27			27	27	102.8	52.6	2.32	Interference
11	JOR	JOR	GT1	TRCD1_JORT949	MADABA			21-48	21-25,28,30,34-38,40,43-44,		23	27	27	27	97.8	51.1	2.06	Interference
12	JOR	JOR	DT2	JORT0736	AMMAN1			27	27	27			27	27	106.5	51.1	1.77	Interference
13	JOR	JOR	GT1	TRCD1_JORT922	AMMAN NAOUR			21-48	21-25,28,30,34-38,40,43-44,		23	27	27	27	114.9	49.4	1.51	Interference
14	JOR	JOR	GT1	TRCD1_JORT911	AMMAN QUWASME			21-48	21-25,27-28,30,32,34-38,40,		23	27	27	27	123.1	49.1	1.43	Interference
15	PSE	XWB	GT2	BR4_PAL3BET01T10D	WB	BR4_PAL3		21-48	21,24-25,35-36,43			27	27	27	80.3	49.9	1.41	Interference
16	PSE	XWB	GT2	BR3_PAL3BET01T10D	WB	BR3_PAL3		21-48	21,24-25,35-36,43			27	27	27	80.3	49.9	1.41	Interference
17	PSE	XWB	GT2	BR2_PAL3BET01T10D	WB	BR2_PAL3		21-48	21,24-25,35-36,43			27	27	27	80.3	49.9	1.41	Interference
18	PSE	XWB	GT2	BR1_PAL3BET01T10D	WB	BR1_PAL3		21-48	21,24-25,35-36,43			27	27	27	80.3	49.9	1.41	Interference
19	JOR	JOR	GT1	TRCD1_JORT907	AMMAN MARKA	TRCD_OLD		21-48	21-25,28,30,34-38,40,43-44,		23	27	27	27	125.4	49.1	1.41	Interference
20	JOR	JOR	GT1	TRCD1_JORT984	HUSBAN			21-22,25-27	21-22,25,30,34-38,40,43-44,		30	27	27	27	113.5	49	1.4	Interference
21	JOR	JOR	GT1	TRCD1_JORT910	AMMAN QUWASME			21-48	21-25,27,28,30,32,34-38,40,		23	27	27	27	122.0	49	1.39	Interference

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

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

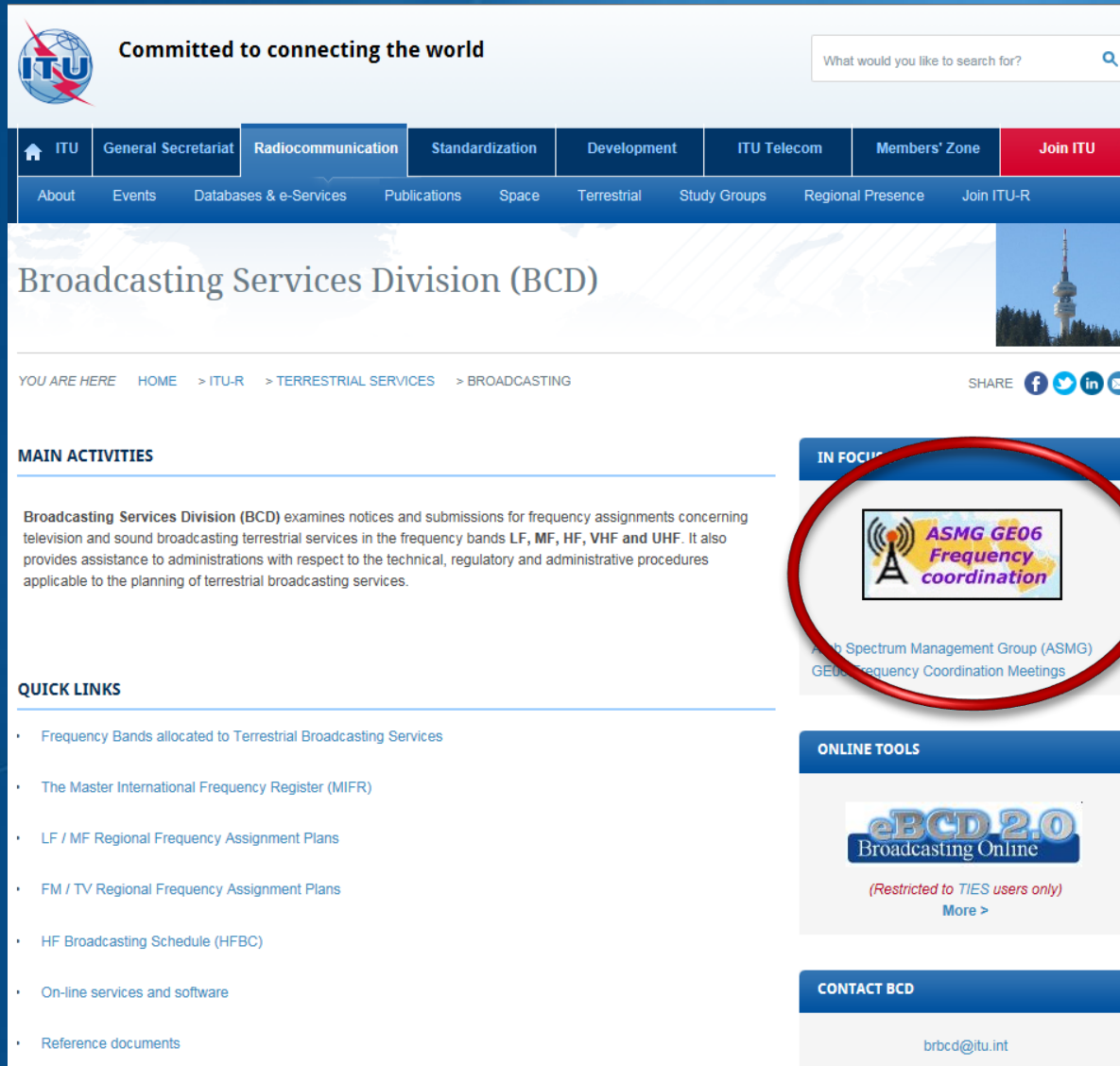
Agenda



- The software tools to be used during the Frequency Coordination process.
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Direct Access from BCD Portal

<http://www.itu.int/ITU-R/terrestrial/broadcast/index.html>



The screenshot shows the ITU website's navigation structure. The top header includes the ITU logo and the slogan "Committed to connecting the world". A search bar is located on the right. Below this is a main navigation bar with categories: ITU, General Secretariat, Radiocommunication (highlighted), Standardization, Development, ITU Telecom, Members' Zone, and Join ITU. A secondary navigation bar lists: About, Events, Databases & e-Services, Publications, Space, Terrestrial, Study Groups, Regional Presence, and Join ITU-R.

Broadcasting Services Division (BCD)

YOU ARE HERE HOME > ITU-R > TERRESTRIAL SERVICES > BROADCASTING


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

 ASMG GE06 Frequency Coordination

As the Spectrum Management Group (ASMG) GE06 Frequency Coordination Meetings

ONLINE TOOLS

 eBCD 2.0 Broadcasting Online

(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

YOU ARE HERE [HOME](#) > [ITU-R](#) > [TERRESTRIAL SERVICES](#) > [BROADCASTING](#) > [ASMG](#)

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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

- Digital Terrestrial TV in UHF Bands & Digital Dividend, Hammamet, Tunis, 8-12 September 2014:
 - [ASBU Invitation letter](#) (including registration form and hotel information) in Arabic
 - [Registration form](#)
- Digital Terrestrial TV in UHF Bands & Digital Dividend, Dubai, United Arab Emirates, 18-20 May 2014:
 - [ASMG recommendations and technical criteria](#)
- Presentations:
 - [Transition to digital TV and allocation of the digital dividend](#)
 - [Finding new channels - compatibility analysis](#)
 - [Frequency planning and coordination - GE06 Plan modification and notification](#)
 - [Transition to Digital TV & technical aspects](#)
 - [Initial preparation of requirements](#)

DOCUMENTS

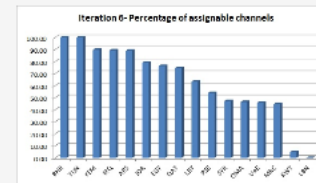
NEWSFLASHES

- [Next GE06 Coordination Meeting - Hammamet, Tunis, 8-12 September 2014](#)
- [Next Iteration:](#)

Deadline for requirement submissions for **Iteration 7 is 8 SEPT 2014**, 18:00 Geneva time ([Frequency coordination timeline](#)).

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

ITERATION RESULTS AND STATISTICS



- [Iteration 6: notices, results, statistics](#)
- [Previous iterations](#)

ASMG GE06 PLANNING AREA



Thank you
Merci beaucoup

شكرا