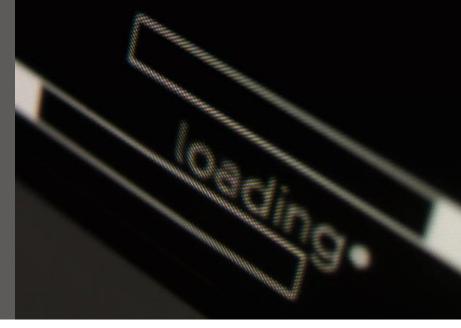
CurrentDEVELOPMENTS

Hon Fai Ng

Space Services Department



Web Interface for Secure Communication



Resolution 908 (WRC-12) instructs

... implement a **secure paperless electronic approach** for the electronic submission and publication of API ... subject to coordination ...

SpaceWISC Web Interface for Secure Communication

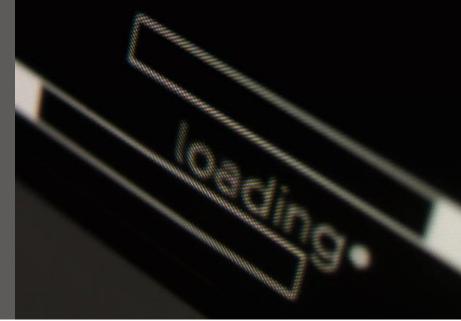


Possible cancellation of API at WRC-15

In any case, BR is implementing secure paperless electronic approach to submit and publish API subject to coordination (Sub-Section IB) and comments under No. 9.5B

Launch Schedule: 2014 Spring (Beta) Autumn [Implementation]

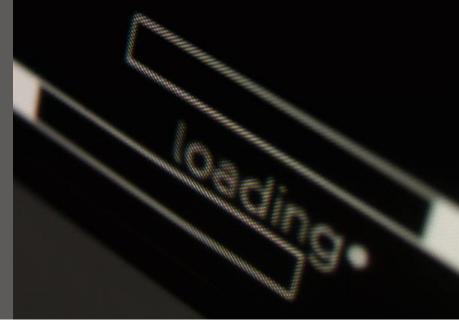
Web Interface for Secure Communication



Features

- New web-based application for PC, Mac, Tablets
- No software installation, only a web browser needed
- TIES registered user login
- Capture, validate and submit API
- Comment under No. 9.5B
- API removal after 24 months if CR not received (No. 9.5D)

Web Interface for Secure Communication

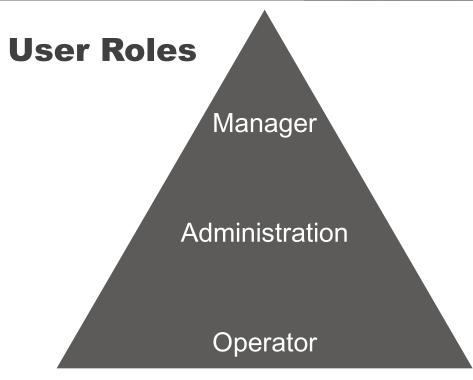


Support

- Dedicated helpdesk (+41 22 730 6777)
- Email contact (spacewisc@itu.int)
- Support webpage (www.itu.int/ITU-R/go/s-wisc)
- Web forum
- User's guide
- FAQ
- Video tutorials

Web Interface for Secure Communication





Source: [Circular Letter on SpaceWISC]

Web Interface for Secure Communication

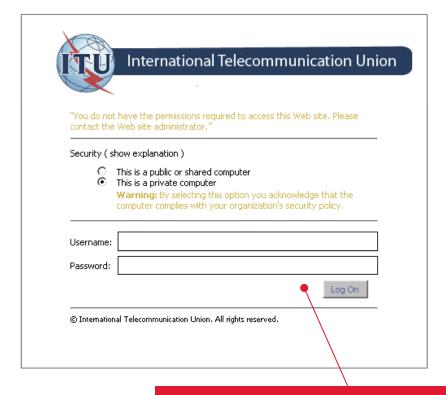


Conditions Roles	Manager	Administration	Operator
Register with BR	Y		
Manage accounts of Administration	Υ		
Manage accounts of Operator	Y	Υ	
TIES User Account	Υ	Υ	Υ
Capture, Validate Notices	Y	Υ	Y
Submit to	BR	BR	Administration

Source: [Circular Letter on SpaceWISC]

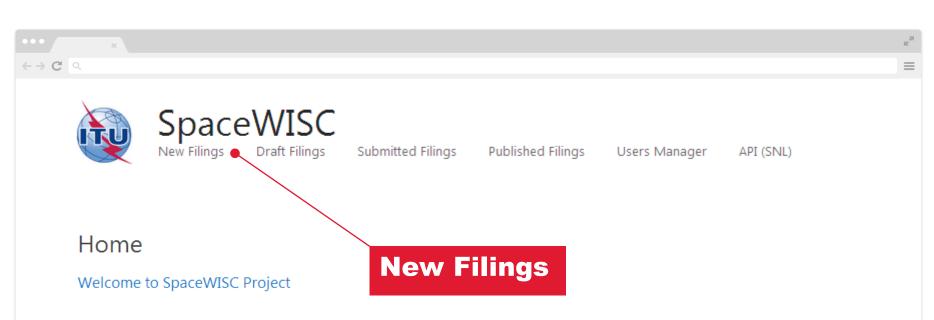
https://extranet.itu.int/itu-r/spacewisc

← → C 0.



Login

Operator or Administration or Manager

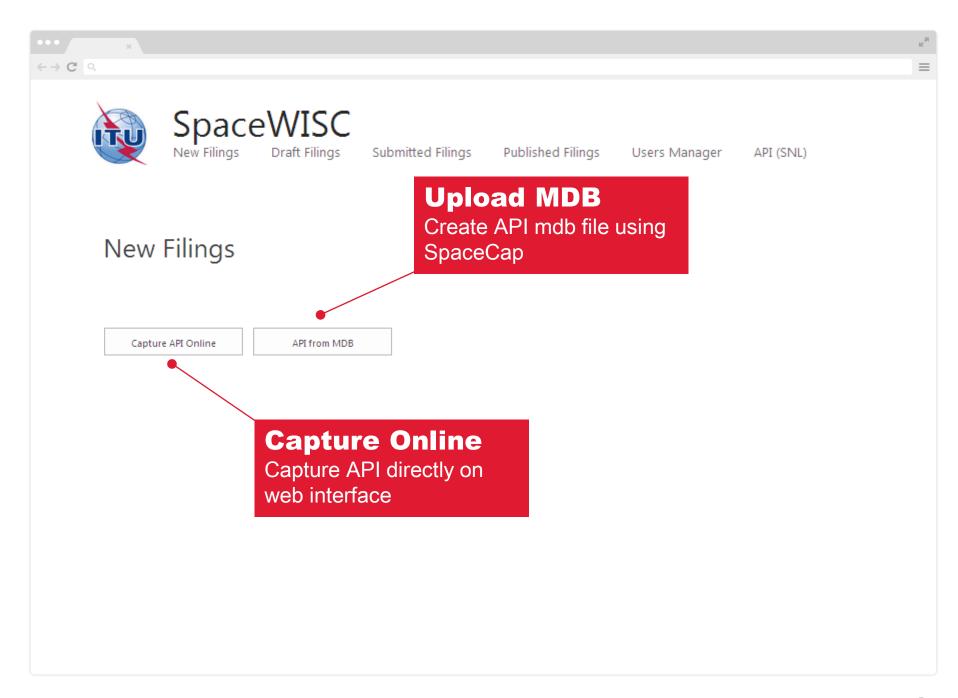


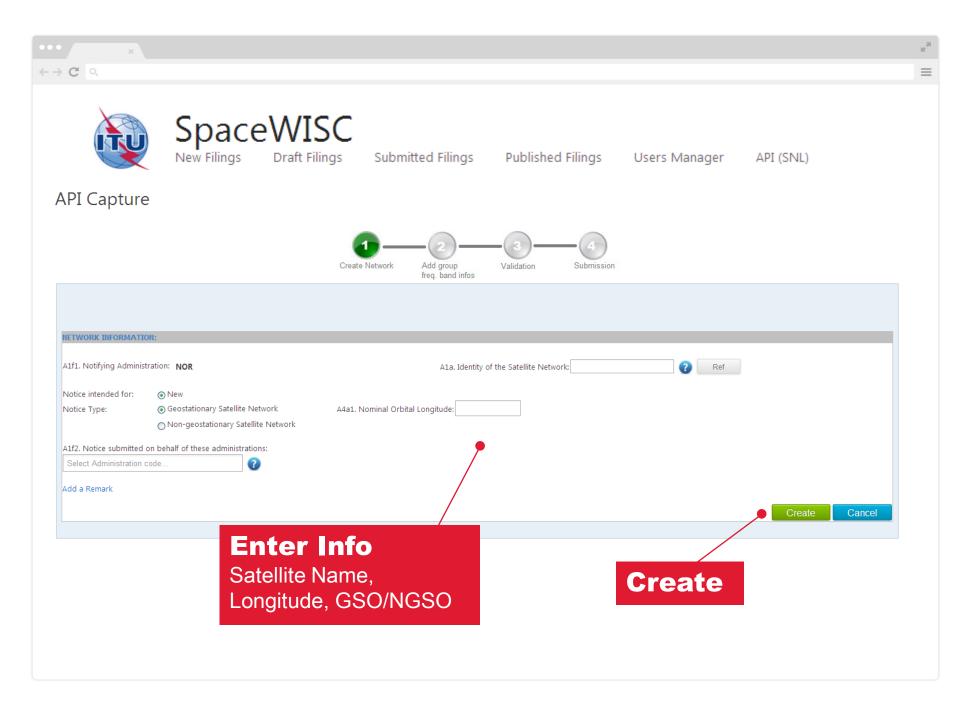
Welcome to SpaceWISC, the online submission system for Advance Publication Information (API) subject to coordination, in accordance with Resolution 908 (WRC-12).

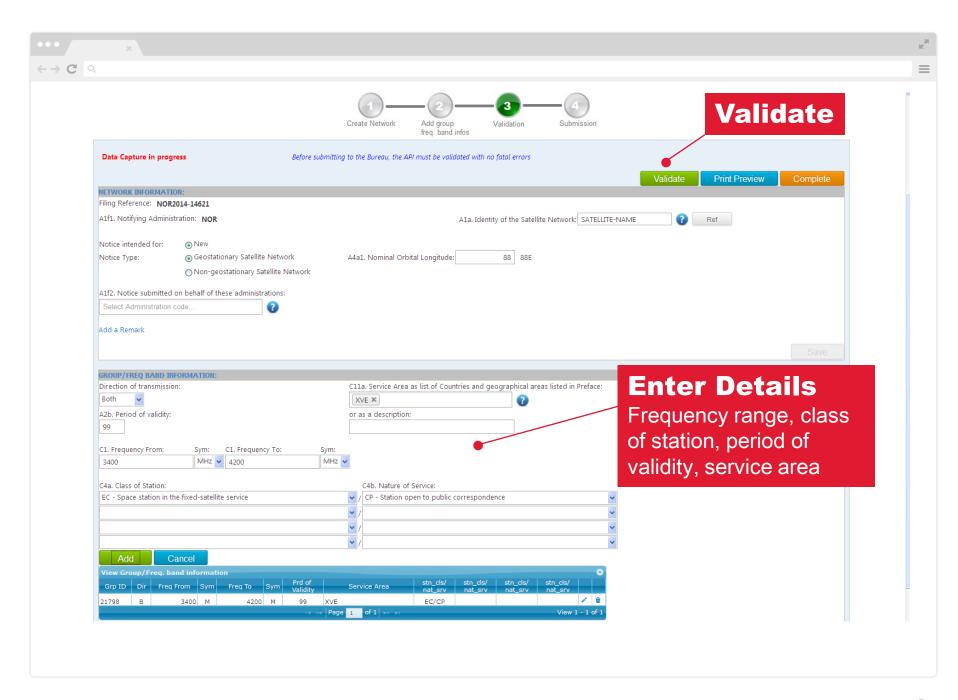
Help hotline

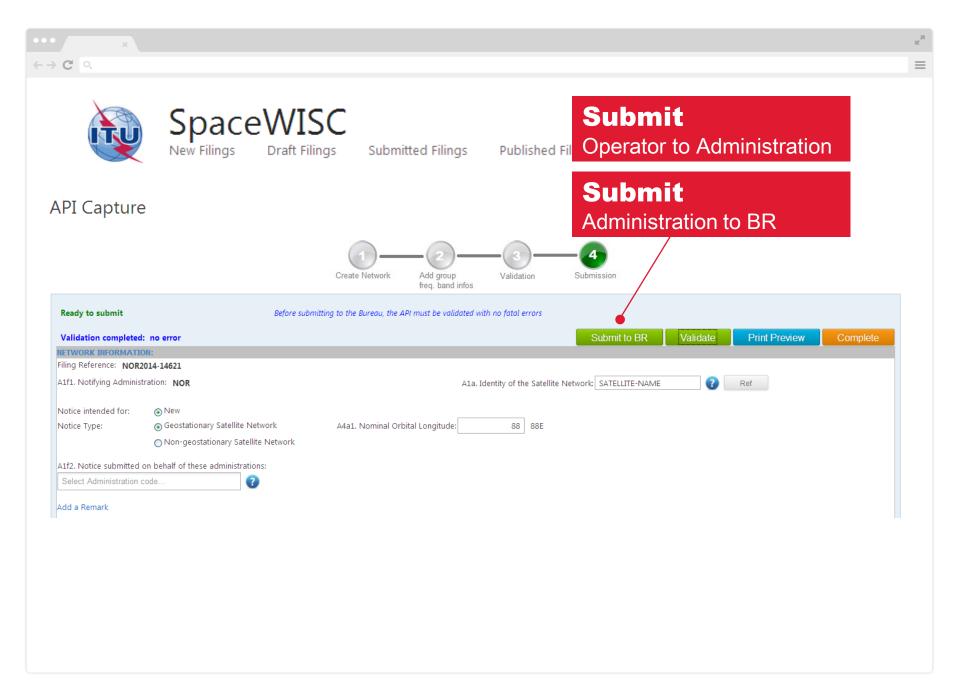
Telephone number: +41-22-7306777

Email: spacewisc@itu.int











Email Notification

Operator submits to Administration Administration submits to BR





Submitted Filings Published Filings Users Manager

API (SNL)

Submitted Filings

API_REF	ntc_id	sat_name	Status_API	ADM	Space WISC_User	BR_d_rcv	Edit API	Operation API
NOR2014-14423	15320	SATRFGBV45	Submitted to BR	NOR	itu_ersc\mahjoub	26.02.2014	View	Withdraw request
NOR2014-14445	15342	AN2A	Submitted to BR	NOR	itu_ersc\kadirov	27.02.2014	View	Withdraw request
NOR2014-14452	15349	HONFAI-1	Submitted to BR	NOR	itu_ersc\ng	27.02.2014	View	Withdraw request
NOR2014-14453	15350	DT-1	Submitted to BR	NOR	itu_users\tham	27.02.2014	View	Withdraw request
NOR2014-14455	15352	SSD-TESTIT	Published in BR IFIC	NOR	itu_users\peker	27.02.2014	View	Suppress request
NOR2014-14456	15353	DKRSAT	Submitted to BR	NOR	itu_users\ka	27.02.2014	View	Withdraw request
NOR2014-14459	15356	TDT-TEST2	Submitted to BR	NOR	itu_ersc\kadirov	27.02.2014	View	Withdraw request
NOR2014-14460	15357	TDK-TEST4	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14462	15359	TDK-TEST55	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14463	15360	TDK-TEST21	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14464	15361	TDK-TEST7	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14468	15365	TDK-TEST9	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14470	15367	NOR-PIO	Submitted to BR	NOR	itu_ersc\kadirov	27.02.2014	View	Withdraw request
NOR2014-14472	15369	CHANGE-NAME	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14474	15371	ADM-NO-BACKLOG-PLS	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14477	15374	OPERATORSAT	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14480	15377	FREE-ENTITLEMENT	Published in BR IFIC	NOR	itu_ersc\kadirov	27.02.2014	View	Suppress request
NOR2014-14482	15379	I-LIKE-SATELLITE	Published in BR IFIC	NOR	itu_ersc\kimds	27.02.2014	View	Suppress request
NOR2014-14483	15380	LAST-ONE	Submitted to BR	NOR	itu_ersc\kadirov	27.02.2014	View	Withdraw request
NOR2014-14496	15393	HONFAI-2	Submitted to BR	NOR	itu_ersc\ng	27.02.2014	View	Withdraw request
NOR2014-14500	15397	YNK-2	Suppress request	NOR	itu_users\karunaje	27.02.2014	View	Waiting answer from BR
NOR2014-14502	15398	HONFAI-3	Published in BR IFIC	NOR	itu_ersc\ng	27.02.2014	View	Suppress request





Submitted Filings Published Filings Users Manager

API (SNL)

Published Filings

API_REF	ntc_id	sat_name	Status_API	ADM	BR_d_rcv	Space WISC_User	View/6dit	Operation API
USA2014-11269	12167	AZUTAZ	Published in BR IFIC	A2U	05.02.2014	itu_users\mahjoub	View	Commented under 9.5B
CAN2014-14730	15625	SATTESTCANOP	Published in BR IFIC	CAN	26.03.2014	itu_ersc\mahjoub	View	Comments under 9.5B
CAN2014-14732	15627	TESTSATSUI	Published in BR IFIC	CAN	26.03.2014	itu_ersc\mahjoub	View	Comments under 9.5B
CAN2014-14733	15628	CANSATTEST	Suppressed	CAN	26.03.2014	itu_ersc\mahjoub	View	
SUI2014-14735	15630	TESTVIEW2	Published in BR IFIC	SUI	26.03.2014	itu_users\morets	View	Comments under 9.5B
CAN2014-14443	15340	USMB-SAT522	Published in BR IFIC	CAN	27.02.2014	itu_users\mahjoub	View	Comments under 9.5B
CAN2014-14753	15648	TESTSATITU	Published in BR IFIC	CAN	27.03.2014	itu_ersc\mahjoub	View	Comments under 9.5B
TUN2014-14758	15653	SATTUN4	Published in BR IFIC	TUN	28.03.2014	itu_ersc\wiscop	View	Comments under 9.5B
E2014-14446	15343	BACELONA-SATE-1	Published in BR IFIC	E	27.02.2014	itu_users\wangj	View	Comments under 9.5B
SNG2014-11304	12202	SUNSAT998	Published in BR IFIC	SNG	09.02.2014	itu_ersc\loo	View	Comments under 9.5B
TUN2014-14810	15705	TESTSATRFV123456	Published in BR IFIC	TUN	02.04.2014	itu_ersc\wiscadm	View	Comments under 9.5B
TUN2014-14811	15706	SATTUN234	Published in BR IFIC	TUN	02.04.2014	itu_ersc\wiscadm	View	Comments under 9.5B



API list in BR IFIC

Hyperlinked to PDF in Space Network List (SNL) webpage

BR-SIS

BR Space Information System



Existing BR software

- Different look and feel
- Could be more user friendly
- Different programming languages (VB6, VO, C++, .NET, Cobol)
- Redundant codes
- Time consuming to implement WRC decisions

BR-SIS

BR Space Information System



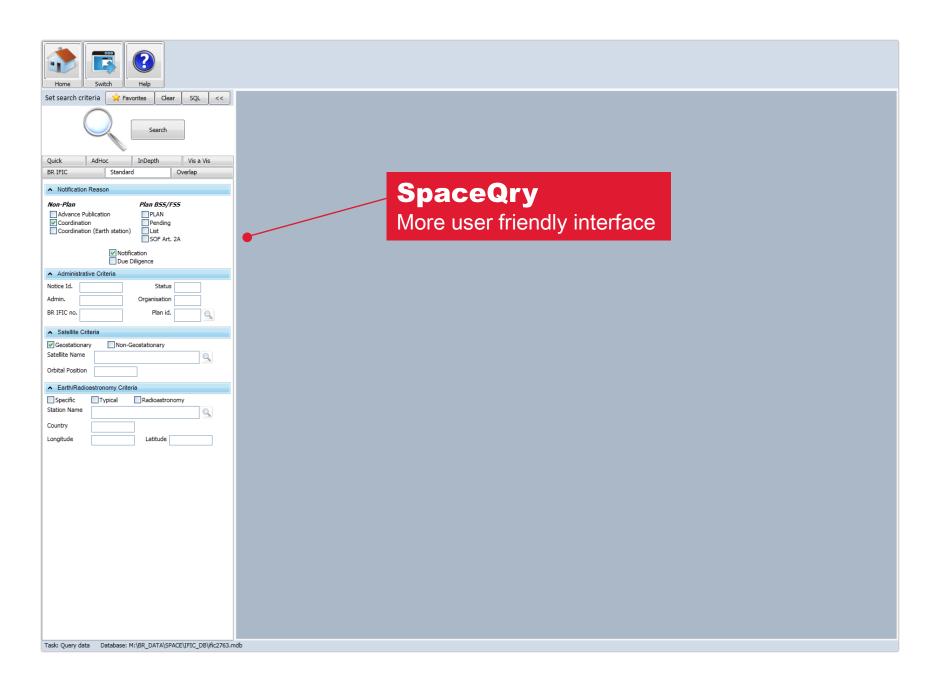
Redesign, rewrite, review

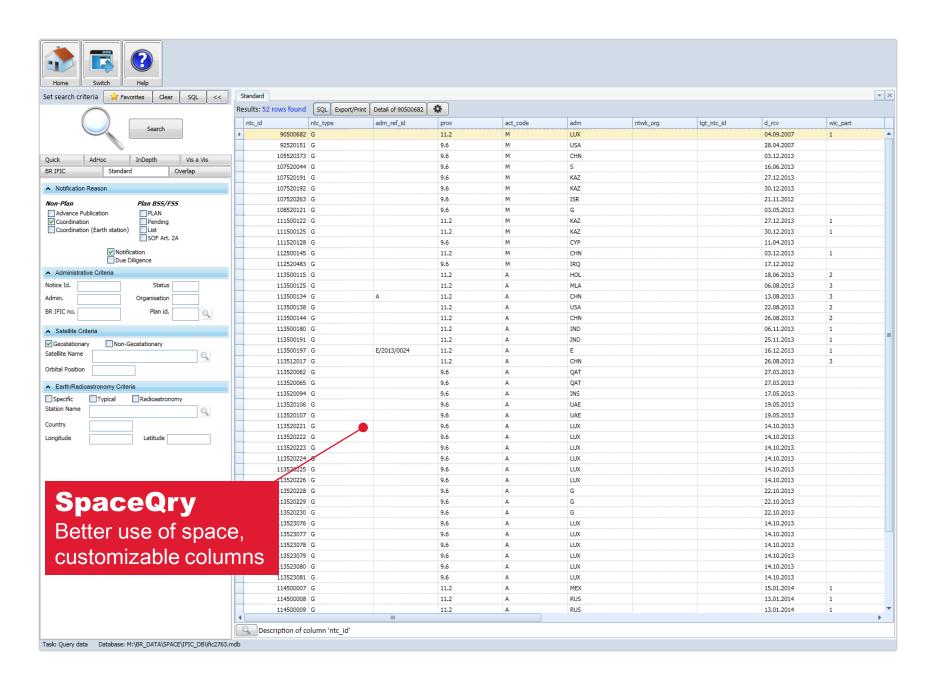
RAG-19 Phase 2

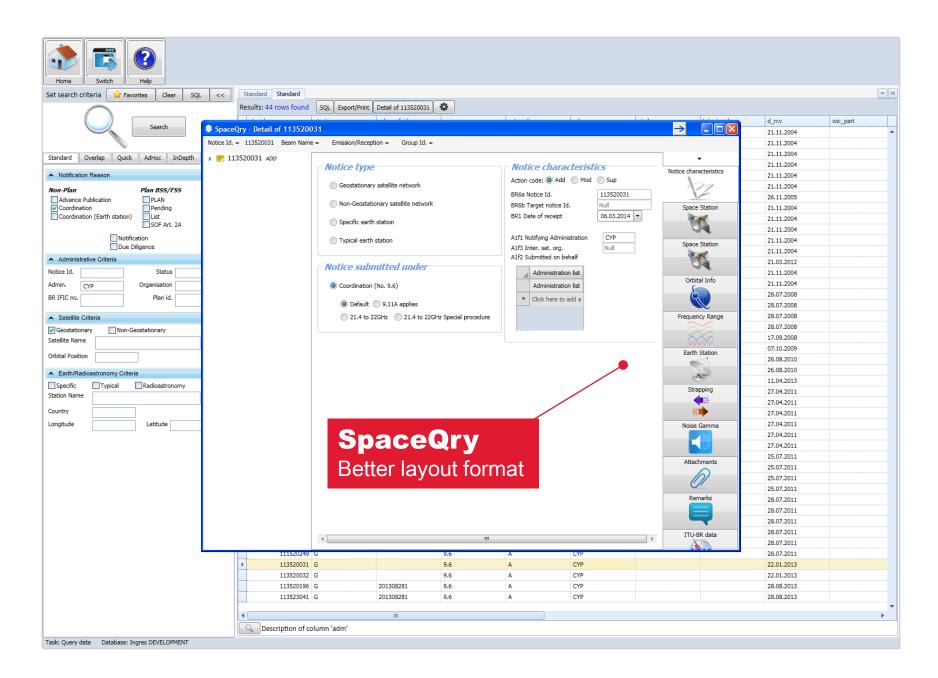
Future BR software

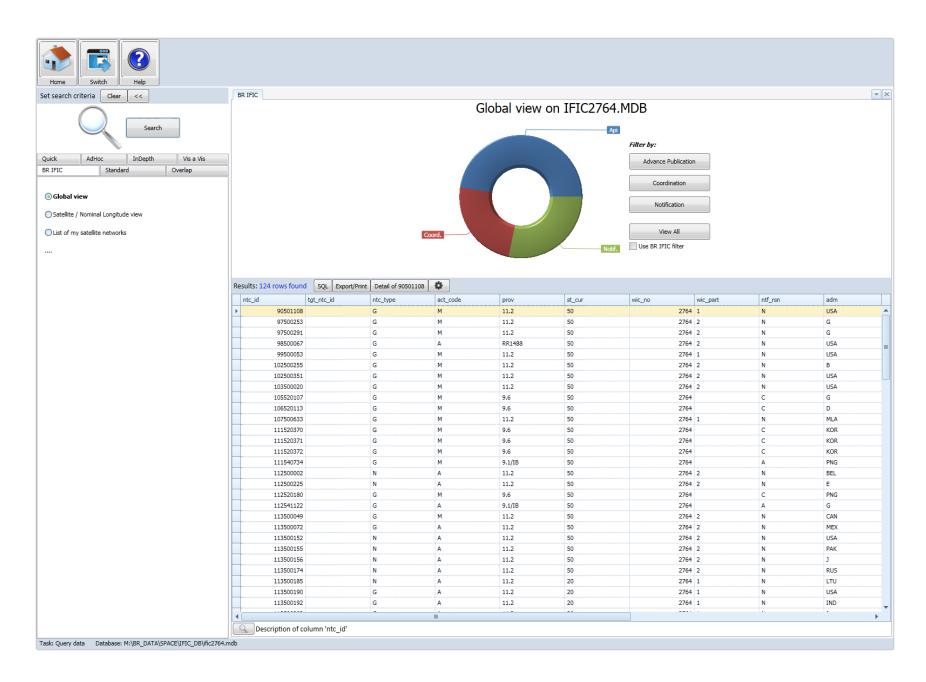
- One point entry for notice processing, technical exam, query
- Same look and feel, user-friendly
- Code reusability
- New programming language

Launch Schedule: 2015









E-Learning

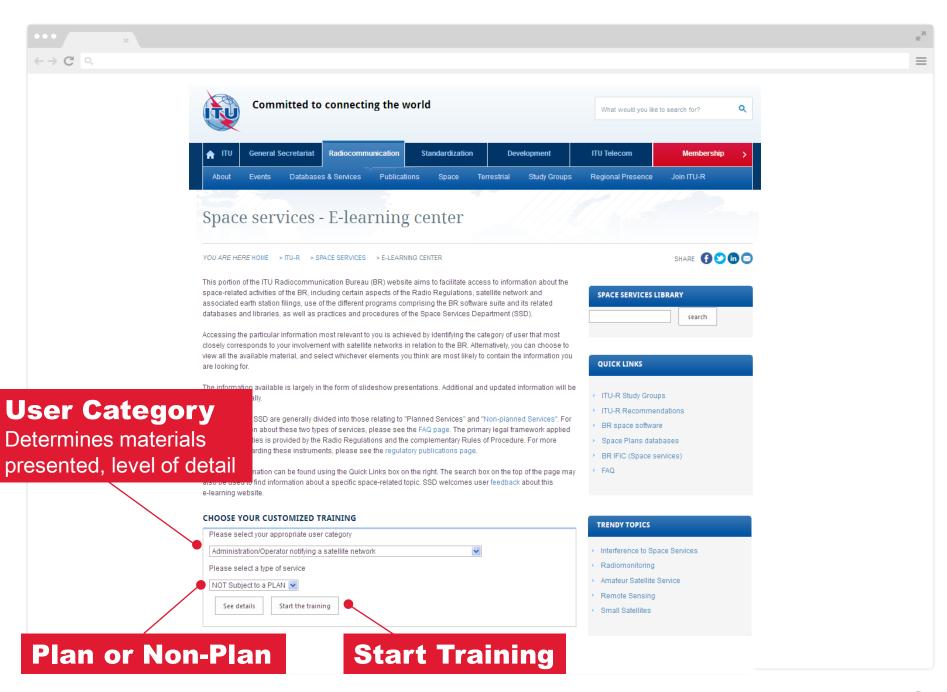
For Space Services



Self-paced online training programme

- BR training material related to space activities
- Different modules based on user profile (general overview, regulatory, technical, etc.)
- Divided into Non-planned and Planned services
- PFD files in presentation format

Launch Schedule: Summer 2014







YOU ARE HERE HOME > ITU-R > SPACE SERVICES > E-LEARNING CENTER > TRAINING - SATELLITE NETWORK / NOT SUBJECT TO A PLAN



- Oriented to engineers from Administration/Operator notifying a satellite network.

Training Material Link to PDF files

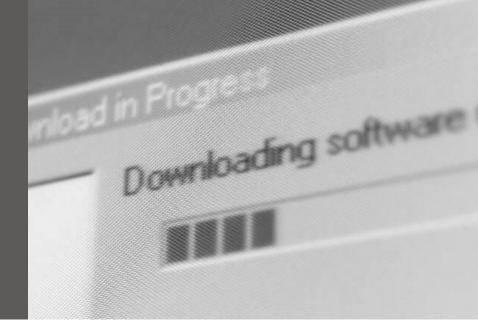
ide information about the procedures to effect coordination and to notify a satellite network to the ITU in frequency bands and services not BR software tools required to create, validate and submit a satellite network filing relating to non-planned frequencies and services.

nation presented in this course is typically a person who works in the administration or government of an ITU Member State or for a satellite nber State.

PROGRAM OF THE TRAINING (ITU-SSD-N001)

	Subject - Procedure	See and download the	How to
		associated software	
-	Non-planned space services (Coordination and Notification procedure)		
1.1 -	Advance publication information (API)	SpaceCap, SpaceVal, SpaceCom for API/B	Submit an API to ITU? Submit comment from Affected Administrations to API?
1.2 -	Coordination and analysis of GSO satellite networks	GIMS, SpaceCap, SpaceVal, SpaceQuery, GIBC-AP8- PFD-AP30, SNS online, SNL online	Know about Space BRIFIC? Know about BR space software? Know about BR space databases? Know about SNS and SNL online? Know about GIMS? Capture and validate a Coordination Request? Know if my filing is receivable?
1.3 -	Carrier to interference (C/I ratio) calculations		
1.4 -	Submission of comments to Coordination Requests (CR/C) under No. 9.52	SpaceCom for CR/D	
1.5 -	Requesting inclusion in coordination under No. 9.41	SpaceCom for CR/E	
1.6 -	Broadcasting satellite service in 21.4 - 22 GHz band in regions 18.3		
1.7 -	Technical and regulatory examination of Coordination Requests		

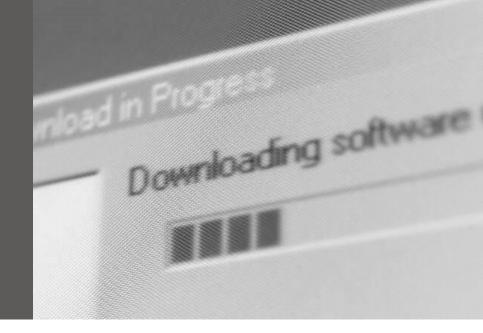
ISO FILE BR IFIC Web Download



BR IFIC Web Download

- BR IFIC DVDs published from 2013
- Complementary **not** complimentary
- For Administrations and paid subscribers of DVD

BR IFIC Web Download



Procedure

- One time registration with sales@itu.int
- Go to ITU Electronic Bookshop webpage
- Login and download zipped ISO file (1GB)
- Unzipped file (3+GB)
- Mount as a drive (WinCDEmu) or burn to DVD

Launch Schedule: Now







BR IFIC Space Services is a service publication now on DVD-ROM and published every two weeks by the Radiocommunication Bureau in accordance with provision Nos. 20.1 to 20.6 and No. 20.15 of the Radio Regulations. It contains information on the frequency assignments to space stations, earth stations or radioastronomy stations submitted by Administrations to the Radiocommunication Bureau for recording in the Master International Frequency Register, as well as those that are submitted under the relevant provisions of the Radio Regulations or which are subject to the Appendices 30, 30A and 30B Plans. The information published corresponds to the recorded assignments as well as the notifications still being processed. Each edition published in 2012 will contain the SRS database, which was formerly sold only separately, now available only with the BR IFIC - Space Service DVD.

Related links

. BR IFIC (Space Services)





Edition of 2014 New! Publication Notice with Order Form

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Available in





Other editions: Edition of 2013





BR IFIC Space Services is a service publication published every two weeks by the Radiocommunication Bureau in accordance with provision Nos. 20.1-20.6 and No. 20.15 of the Radio Regulations. It contains information on the frequency assignments to space stations, Earth stations or radioastronomy stations submitted by administrations to the Radiocommunication Bureau for recording in the Master International Frequency Register, as well as those that are submitted under the relevant provisions of the Radio Regulations or that are subject to the Appendices 30, 30A and 30B Plans. The information published corresponds to the recorded assignments as well as the notifications still being processed. The SRS database formerly sold separately is now available only in this DVD-ROM. The BR IFIC (Terrestrial Services) DVD-ROM is published at the same time (please see Publication Notice No. 282-14). For additional support and information, please see the BR support page at: http://www.itu.int //ITU-R/go/space-brific/en

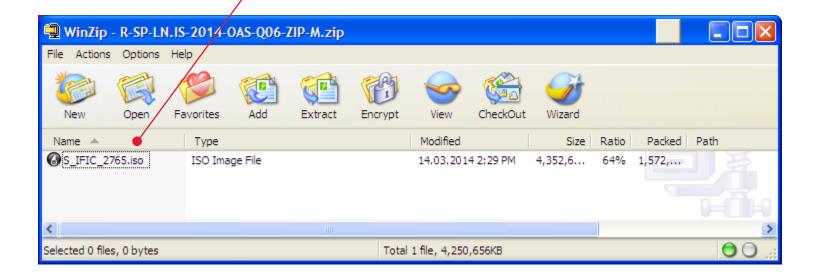


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i 2763 - 18.02.2014 (ISO copy)	38674	600 CHF	ADD	<u>*</u>
2763 - 18.02.2014 (SHA-1 Checksum)		Free of charge	DOWNLOAD	<u>*</u>

ISO FileUnzip to local drive





WinCDEmu is an open-source CD/DVD/BD emulator - a tool that allows you to mount optical disc mages by simply clicking on them in Windows Explorer. If you have downloaded an ISO image and want to use it without burning it to a blank disc, WinCDEmu is the easiest way to do it.

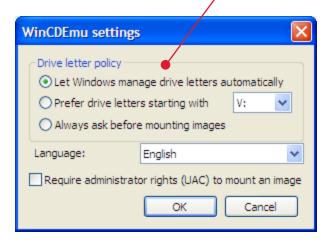
Features:

- One-click mounting of ISO, CUE, NRG, MDS/MDF, CCD, IMG images.
- · Supports unlimited amount of virtual drives.
- Runs on 32-bit and 64-bit Windows versions from XP to Windows 7.
- Allows creating ISO images through a context menu in Explorer.
- . Small installer size less than 1MB!
- · Does not require rebooting after installation.
- A special portable version is available.
- Translated to more than 20 languages.
- . Does not occupy drive letters when not used.
- · Supports data, DVD-video and BD-video images.
- WinCDEmu is free for any kind of use it is licensed under LGPL



WinCDEmu

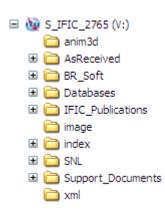
Follow set up process



ISO File

Right click on file in Windows Explorer "Select drive letter & mount"





GIMS Capturing contours



Current GIMS

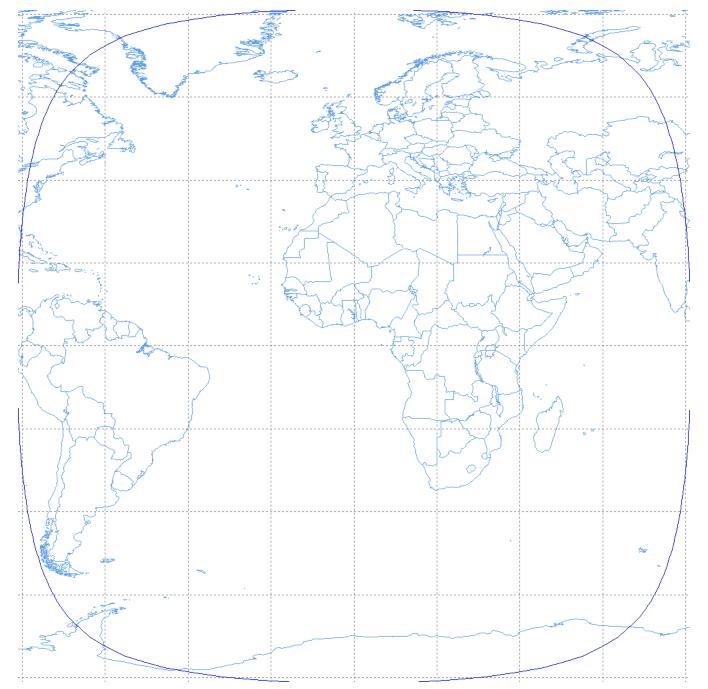
Need a digitizer to capture contours

Future GIMS

- Capture contours with a mouse
- Create contour or service area by clicking on map
- Modify contour by dragging its points

Launch Schedule: Summer 2014



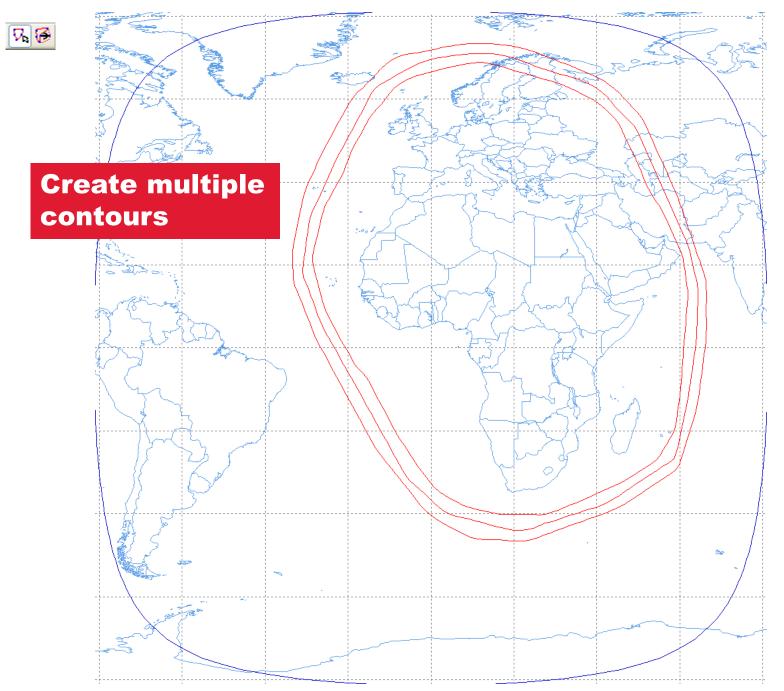






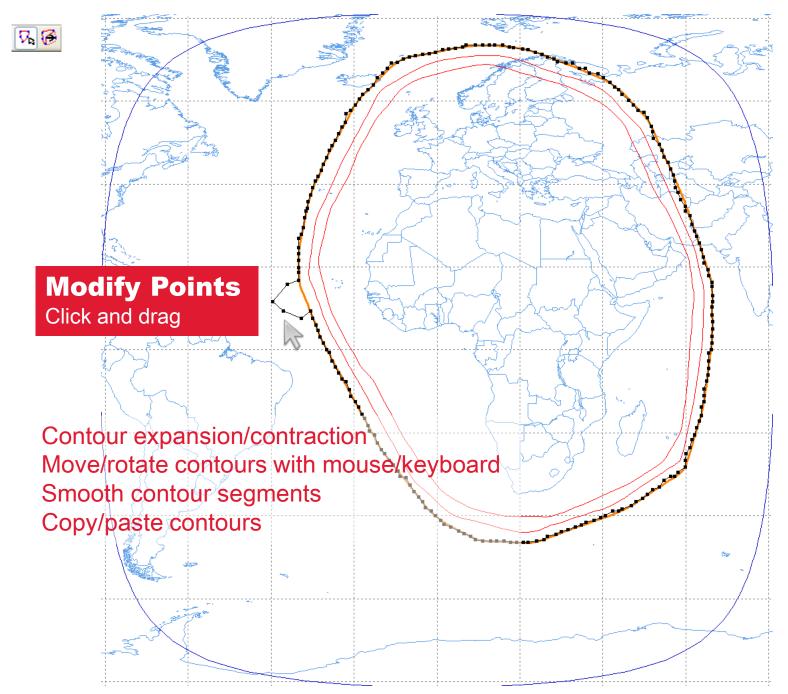












WRS-14

World Radiocommunication Seminar



Seminar

- WRS-14 to be held in Geneva, Switzerland
- Seminars and workshop sessions

Planned: 8 – 12 December 2014

CurrentDEVELOPMENTS

Hon Fai Ng

Space Services Department

