



Notification scope

The notification to the BR in the pursuance to the decisions of the First session of the Regional Radiocommunication Conference GE04 consists of:

1 Notification of the digital requirement for the purpose of planning exercise or production of draft Plan (RRC06)

2 Notification for the purpose of identification (and update of RRC relevant elements) of the assignments to be taken as a reference situation in broadcasting and in other than broadcasting primary services (RRC06)







Notification of the digital requirement for the purpose of planning exercise or production of draft Plan (RRC06)

The basics of notification of the digital broadcasting requirement for the purpose of the RRC-06 as described in the Chapter 6 of the Report to the second session - Annex 1 to the Resolution 1 (RRC-04) are:

- Administrations shall collate data for requirements for digital broadcasting services for the planning exercises during the intersessional period and for the second session of the conference (§6.1)
- All data regarding the digital broadcasting requirements shall be submitted in electronic form (§6.1)
- Geographical longitude and latitude coordinates in the requirements should preferably be based on the World Geodetic System 1984 (WGS84) (§6.1)
- For the planning exercise as well as for the production of the draft Plan the administrations have the option of submitting a new set or modifying previously submitted set of requirements. The Intersessional Planning Group (IPG) will always use the latest set of requirements. All requirements have the same status in the planning process, irrespective of the date they were submitted (§6.2)





Types of digital requirement notifications 1

§6.2 has specified four types of requirements:

- a digital television broadcasting assignment requirement;
- a digital television broadcasting allotment requirement;
- a digital sound broadcasting assignment requirement;
- a digital sound broadcasting allotment requirement.

Mand. App. 4 TerRaBase ref. /Opt. ref.

4B t_ctry

9D t_polar

t_d_adm_ntc t_adm in COORD

sub-section t_remarks

t_action

_adm_ref_id

t_trg_adm_ref_id

M

M M O (M)

(M)

(M)



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Types of digital requirement notifications 2

TABLE 6.2-

No					-				
1	Add, modify, suppress	Dat a for a di gi							
2	ITU symbol for administra		Dat a for a di gi						
3	Unique identifier given by						TABI	LE 6.2-4	
3a	Unique identifier given by 1	Add, modify, suppress No			Dat a for a digit	al sour	id broa	dcasting all ot ment requir	eme nt
	SUP 2	ITU symbol for administration responsi	Add, modify, suppress	No	Item				Man
4	ITU symbol for country in 3	Unique DVB-T identifier for the allotm	ITU symbol for administration responsib—		· ·				/Op
5	Name of the location of th 3a	Unique identifier given by the administ 2 SUP 3	Unique identifier given by the administra-	1	Add, modify, suppress				M
6	Geographical coordinate, 4	ITU symbol for country in which allotn 3a	Unique identifier of the target given by the	2	ITU symbol for administration responsible			M	
7	Geographical coordinate, 5	Digital broadcasting allotment name	for MOD or SUP	3	Unique T-DAB allotment ident				
8	Altitude of site (metres ab	Enter either 6a + 6b or 7	ITU symbol for country in which transm	3a	Unique identifier given by the MOD or SUP	adminis	tration fo	or the target allotment, only for	m (M
	Enter either 9a + 9b or 10 6a	Digital television system (including DV 5	Name of the location of the transmitting	4	ITU symbol for country in whi	ch alloti	ment is s	ited	М
9a	Digital television system (6b	Reception mode (e.g. portable, mobile. 6	Geographical coordinate, latitude	5	Digital broadcasting allotment				M
9b	Reception mode (e.g. fixe	Reference planning configuration (RPC 7	Geographical coordinate, longitude	6	Type of the reference network				М
10	Reference planning config 8	Type of the reference network (RN 1, R	Altitude of site (metres above sea level, a	7	Reference planning configurati	ion (RPC	C 4 or RI	PC 5)	M
11	List of acceptable channel 9	Identifier for SFN	Reference planning configuration (RPC	8	List of acceptable frequency blocks				О
	Complete 12 and/or 13, ba 10	Polarization (H-horizontal/V-vertical/N 10	List of acceptable frequency blocks	9	Identifier for SFN				(M
12	Maximum e.r.p. of horizoi	List of acceptable channels	Complete 11 and/or 12, based on the value	10	Polarization (H-horizontal/V-vertical/M-mixed/U-unspecified)				M
13	number including a decim Maximum e.r.p. of vertica 12	If all the test points are on the country t national boundary	Maximum e.r.p. of horizontally polarized number including a decimal point	11	If the test points on country boundary for the allotment are to be used, enter the identifier for national boundary or sub-boundary				he (M
14	number including a decim Identifier for SFN 13	If previous field is blank, enter number there is no subdivision, enter 1)	Maximum e.r.p. of vertically polarized on number including a decimal point	12	If previous field is blank, enter number (up to 9) of sub-areas within this allotment (if there is no subdivision, enter 1)				(M
15	Relative timing of transmi	Enter for each sub-area (up to 9) a uniq 13	Identifier for SFN				a unique contour number, its number of		
16	Unique DVB-T allotment which this assignment is r 15	points (up to 99) and the coordinates of Date of notification by administrations	Unique T-DAB allotment identifier given which this assignment is related	13	boundary test points (up to 99) and the coordinates of its associated allotment test points				, i
17	Polarization (H-horizontal 16	Origin: conversion of an analogue assig 15	Relative timing of transmitter within an (14	Date of notification by administration				0
18	Height of antenna (metres 17	Successfully pre-coordinated with 16	Polarization (H-horizontal/V-vertical/M-	15	Successfully pre-coordinated with			О	
19	Directivity (directional/no-	Remarks 17	Height of transmitting antenna (metres al	16	Remarks				
20	36 values of e.r.p. reductic—		Directivity (directional/non-directional)		•				-
20	as given above (at 10° inte	The DVB-T variant should fully identify BR will determine a suitable way to ident 19	Antenna attenuation – horizontal. 36 value polarized component in the horizontal plar given above (at 10° intervals, starting at N	e relative to th	ne maximum e.r.p. component as	(M)	9NH	t_attn@azmxx0 in ANT_DIAGR_H subsection	
21	plane relative to the maxir above (at 10° intervals, sta		Antenna attenuation – vertical. 36 values of polarized component in the horizontal plan	of e.r.p. reducti ne relative to th	on (dB) of the vertically- ne maximum e.r.p. as given	(M)	9NV	t_attn@azmxx0 in ANT_DIAGR_V	
22	Maximum effective antenna he	eight (m)	above (at 10° intervals, starting at North, c	lockwise), mai	ndatory if field 18 = D			sub-section	
23		height (metres, at 10° intervals, starting a 21	Maximum effective antenna height (m)			M	9EB	t_eff_hgtmax	
24	36 values		36 values of effective antenna height (metres, at 10° intervals, starting at North); if not 2 provided, the value of the maximum effective antenna height should be used for all 36 values M 9EC 0 in ANT_HGT sub-section				0 in ANT_HGT		
25	Date of notification by adminis	strations 23						Sac Section	
26		2	1.E			0		t d adm ntc	
26	Origin: conversion of an analo Successfully pre-coordinated v	gue ussignment	25 Successfully pro-coordinated with			t_adm in COORD			
88		26	Remarks			0		sub-section	
28	Remarks		кетагкѕ			U		t_remarks	



Types of digital requirement notifications 3

§6.2 has specified four types of requirements:

- a digital television broadcasting assignment requirement;
- a digital television broadcasting allotment requirement;
- a digital sound broadcasting assignment requirement;
- a digital sound broadcasting allotment requirement.

...however, in practical application (see CR/215) the Bureau has designed five types of requirements:

- DS1 Digital Sound Broadcasting (T-DAB) Assignment;
- DT1 Digital Television Broadcasting (DVB-T) Assignment;
- DS2 Digital Sound Broadcasting (T-DAB) Allotment;
- DT2 Digital Television Broadcasting (DVB-T) Allotment;
- DA1 Sub Allotment Area for Digital Broadcasting

TABLE 6.2-2

Dat a for a digital television broadcasting all ot ment requirement

No	Item	Mand. /Opt.		TABLE 6.2-4		
1	Add, modify, suppress	M	Dat a for a digital sound broadcasting all ot ment requirem		e nt	
2	ITU symbol for administration responsible	M				<u> </u>
3	Unique DVB-T identifier for the allotment given by the administration (AdminRefId)	M	No	Item	Mand. /Opt.	Ap re
3a	Unique identifier given by the administration for the target allotment, only for MOD or SUP	(M)	1	Add, modify, suppress	M	_
4	ITU symbol for country in which allotment is sited	M	2	ITU symbol for administration responsible	M	
5	Digital broadcasting allotment name	M	3	Unique T-DAB allotment identifier given by the administration (AdminRefId)	M	
	Enter either 6a + 6b or 7		3a	Unique identifier given by the administration for the target allotment, only for MOD or SUP	(M)	
6a	Digital television system (including DVB-T variant) ¹	(M)	4	ITU symbol for country in which allotment is sited	M	4
6b	Reception mode (e.g. portable, mobile)	(M)	5	Digital broadcasting allotment name	M	_
7	Reference planning configuration (RPC 1, RPC 2 or RPC 3)	(M)	6	Type of the reference network	M	
8	Type of the reference network (RN 1, RN 2, RN 3 or RN 4)	M	7	Reference planning configuration (RPC 4 or RPC 5)	M	
9	Identifier for SFN	(M)	8	List of acceptable frequency blocks	0	
10	Polarization (H-horizontal/V-vertical/M-mixed/U-unspecified)	M	9	Identifier for SFN	(M)	
11	List of acceptable channels	0	10	Polarization (H-horizontal/V-vertical/M-mixed/U-unspecified)	М	9
12	If all the test points are on the country boundary for this allotment, enter the identifier for national boundary	(M)	11	If the test points on country boundary for the allotment are to be used, enter the identifier for national boundary or sub-boundary	(M)	
13	If previous field is blank, enter number (up to 9) of sub-areas within this allotment (if there is no subdivision, enter 1)	(M)	12	If previous field is blank, enter number (up to 9) of sub-areas within this allotment (if there is no subdivision, enter 1)	(M)	7
14	Enter for each sub-area (up to 9) a unique contour number, its number of boundary test points (up to 99) and the coordinates of its associated allotment test points	(M)	13	Enter for each sub-area (up to 9) a unique contour number, its number of boundary test points (up to 99) and the coordinates of its associated allotment	(M)	٦
15	Date of notification by administrations	U		test points		
16	Origin: conversion of an analogue assignment ²	О	14	Date of notification by administration	О	
17	Successfully pre-coordinated with	0	15	Successfully pre-coordinated with	О	1
18	Remarks	О	16	Remarks	О	

The DVB-T variant should fully identify the system used (e.g. modulation mode, number of carriers,

² BR will determine a suitable way to identify the corresponding analogue assignment (if any) and inform the IPG if there is a need for advice.

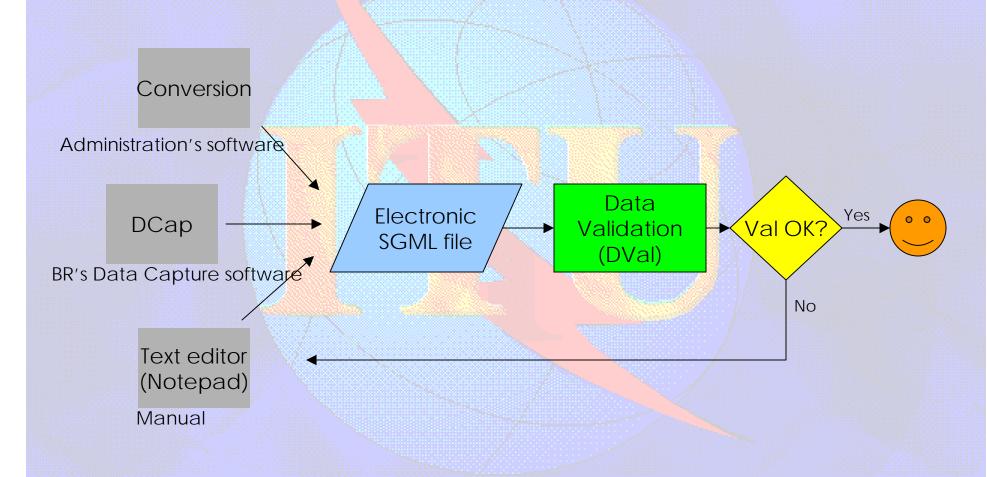


How to create electronic notification?

- Combining the use of:
 - >Administration's own software utilities
 - >BR's software
 - ► Data Capture
 - **▶** Data Validation
 - ▶ Data Correction
 - ➤ Word processors
 - >MS Access
- REMEMBER to submit notifications as soon as possible (before 28-02-2005) for test purposes and preparation of error free notification

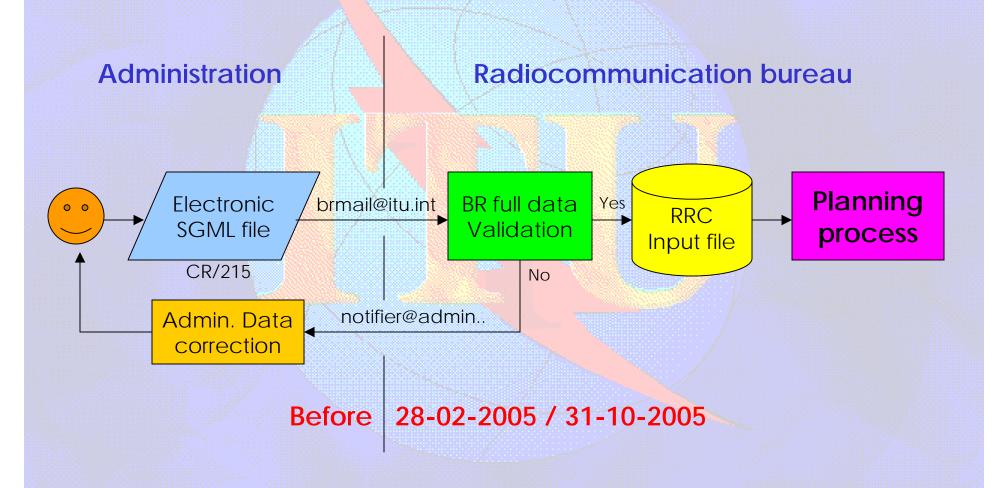


How to create error free electronic notification?



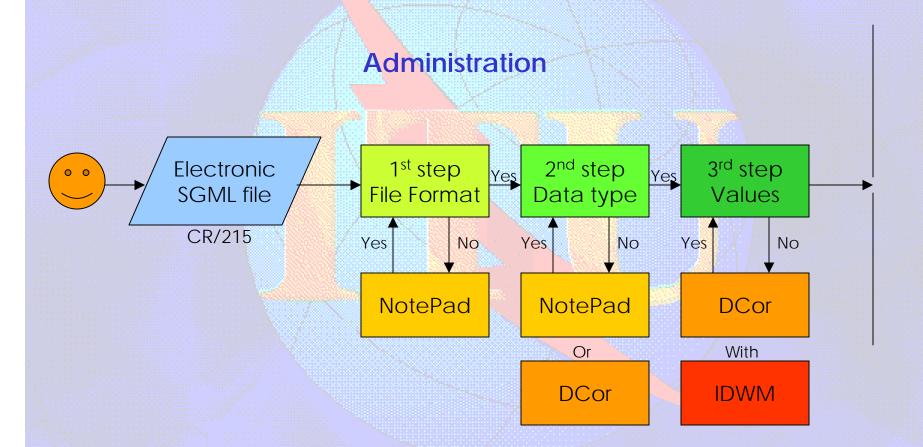


How to notify error free electronic notification?





Data validation program DVal



Before 28-02-2005 / 31-10-2005

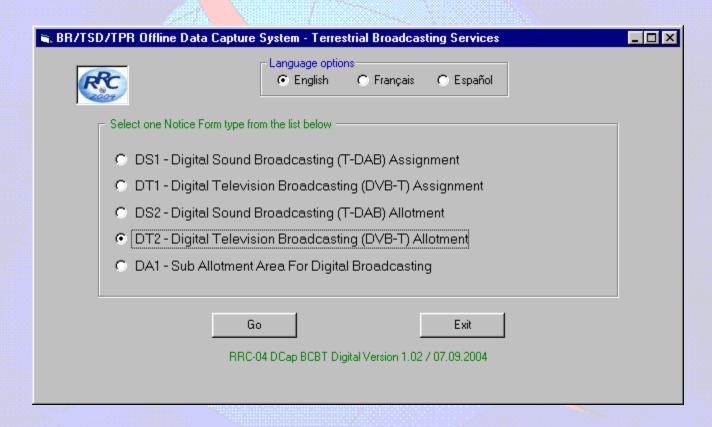




CR/219 Data capture software 1

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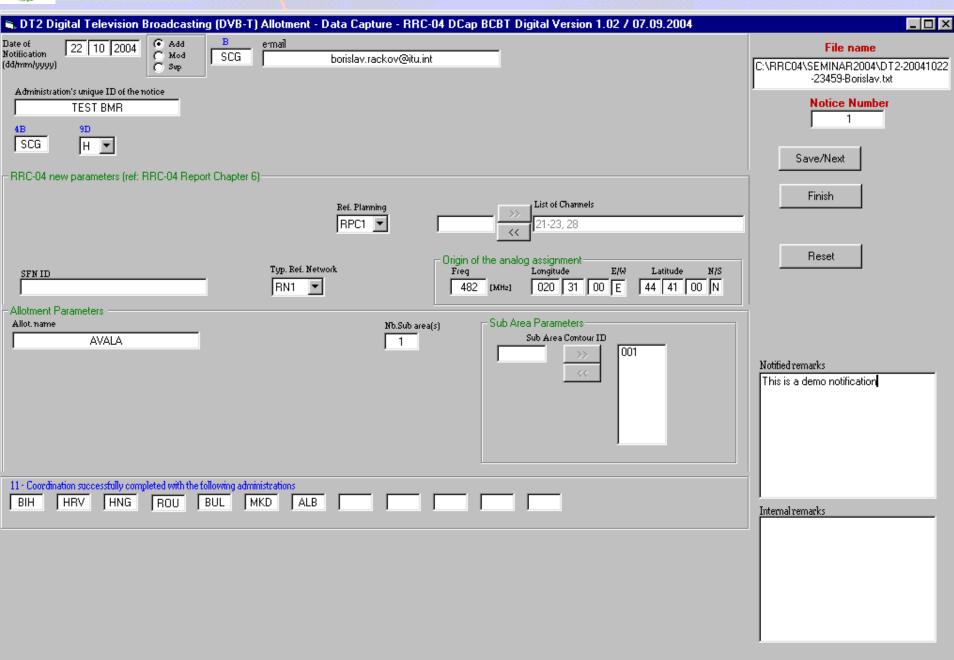
on Digital Broadcasting



ASBU - ITU Workshop 2004 on Digital Broadcasting

22-25 November 2004

Damascus, Syria





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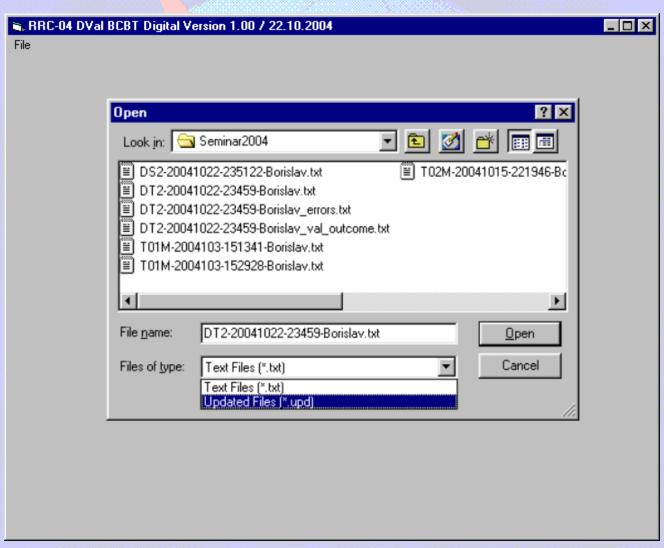
on Digital Broadcasting

DT2-20041022-23459-Borislav.txt - Notepad File Edit Search Help File captured on 10/22/04-11:44:07 PM Processed by Borislav Program Id: RRC-04 DCap BCBT Digital Version 1.02 / 07.09.2004 <HEĀD> t adm = SCG t email addr = borislav.rackov@itu.int </HEAD> <NOTICE> t remarks = This is a demo notification Notice No = 1 t notice type = DT2 t d adm ntc = 2004-10-22 t fragment = RC06 t action = ADD t ctry = SCG t adm ref id = TEST BMR |t_polar = H rrc ref plan cfq = RPC1 rrc tup ref netwk = RN1 rrc channel = 21-23, 28 rrc conv freq assqn = 482 rrc conv long = +0203100 rrc conv lat = +444100 rrc allot name = AVALA rrc nb sub areas = 1 rrc contour id = 001 <COORDINATION> t adm = BIH t adm = HRV t adm = HNG t adm = ROU t adm = BUL t adm = MKD t adm = ALB </COORDINATION> </NOTICE> <TAIL> t num notices = 1 </TAIL>





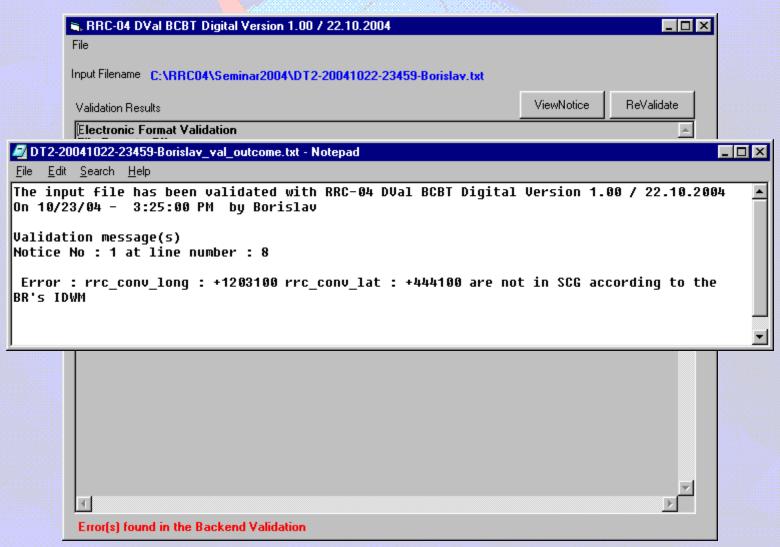
Program DVal







Program DVal 1



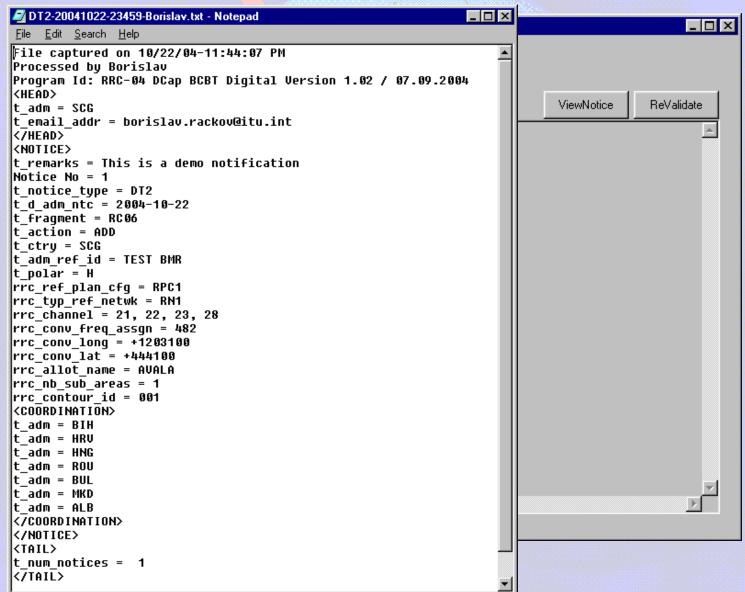




Program DVal 2

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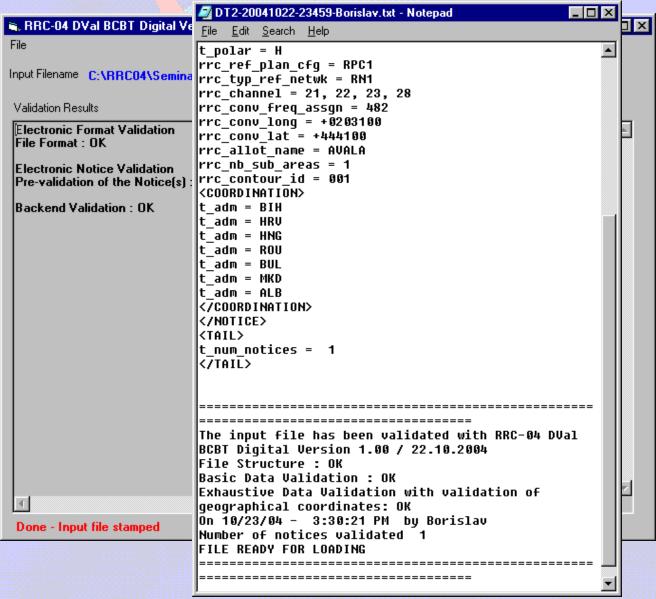
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Program DVal 3



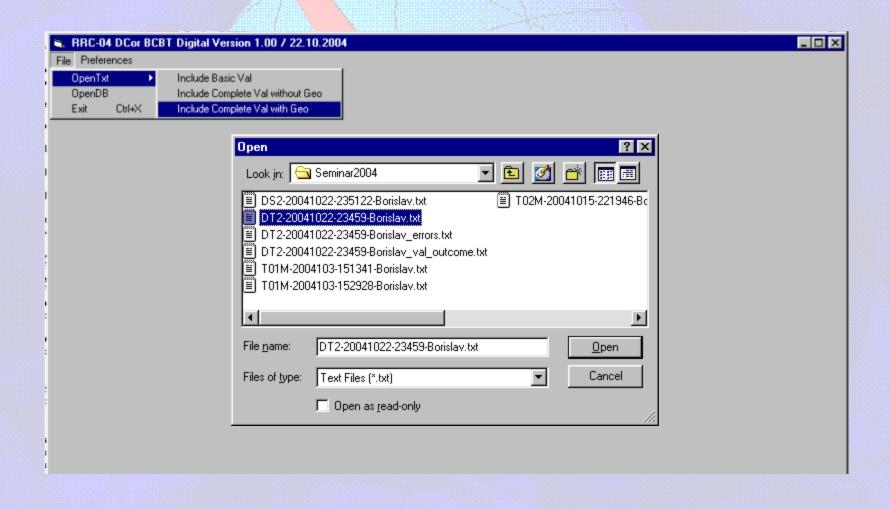




Program DCor

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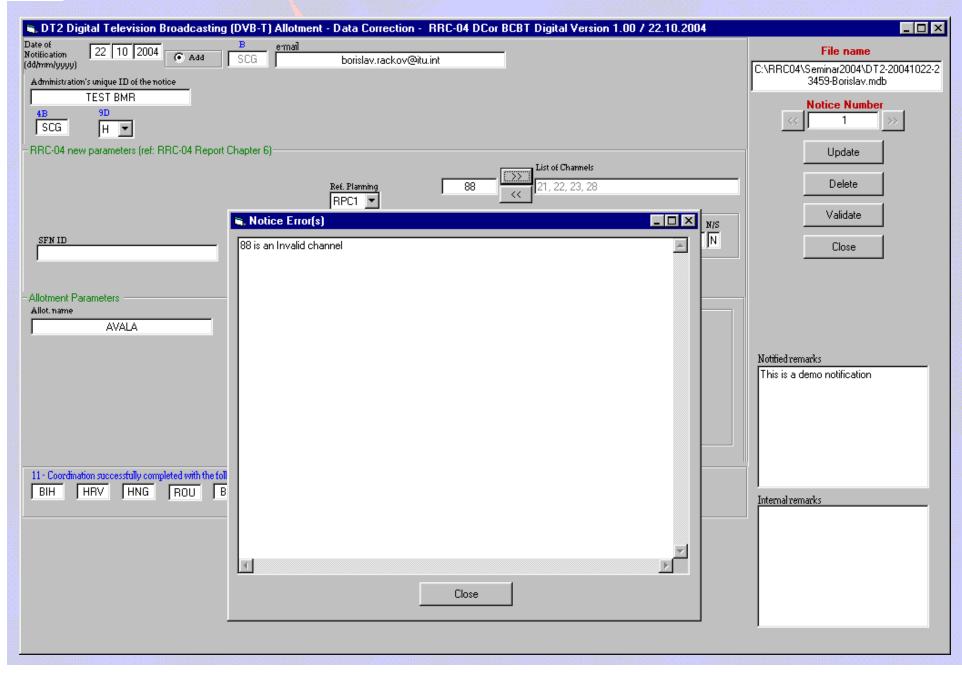
on Digital Broadcasting







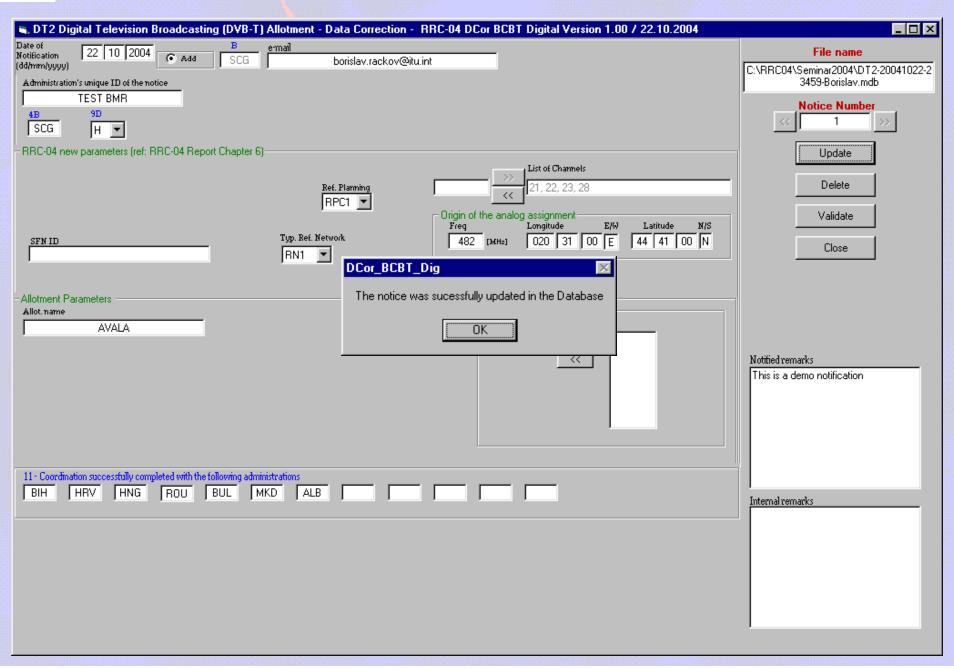
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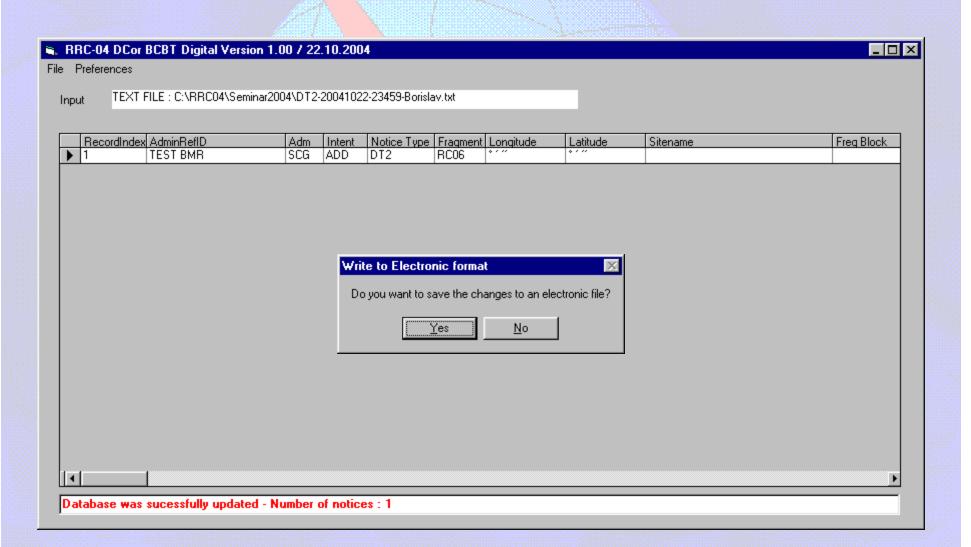
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Program Dcor 3



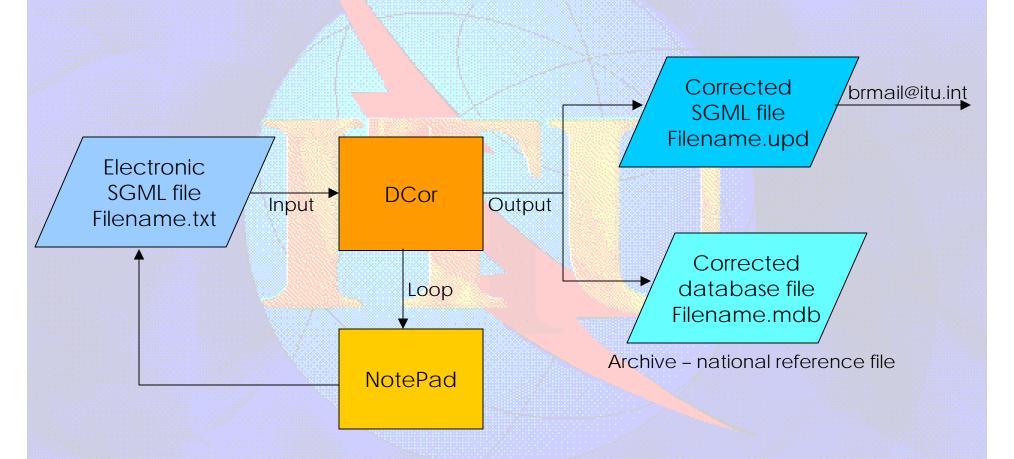




Recapitulation

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on Digital Broadcasting



Before 28-02-2005 / 31-10-2005



2 Notification for the purpose of reference situation in broadcasting and in other than broadcasting primary services (RRC06)

The definitions of existing and planned assignments and allotments of the broadcasting service and existing and planned assignments of other primary services are contained in § 1.7 of the Report to the second session. In context of the above, the following notifications are applicable:

- Resolution COM5/1 in Annex 2 specifies that for administrations that have not submitted data, it is assumed that all the existing and planned broadcasting or other services assignments, according to the definition provided in § 1.7, shall be protected in the planning process
- However, the administrations shall indicate:
 - be taken into account in the planning process; and
 - those existing and planned assignments of other primary services that are to be taken into account in the planning process



Notification for the purpose of reference situation in broadcasting services (RRC06)

The administrations are expected to notify only those frequency assignments which are **not to be taken** into account during the planning process. In other words, the notification has the purpose to exclude the notified assignment from the reference situation.

For this purpose, the Bureau has developed a specific notice form **BC6** which serves to indicate through given identifying parameters the assignments to be excluded from the reference file, or to reinstate in the file previously excluded assignments.

The notice form in paper format contains data for up to five assignments per page to be processed.

Notice form BC6 exists in electronic format as well.

22-25 November 2004

Damascus, Syria

ASBU - ITU Workshop 2004 22-25 Novembron Digital Broadcasting Notice form BC6

Date of notification Day Month Year Administration	FORM OF NOTICE IDENTIFICATION OF RECORDED BROADCASTING ASSIGNMENTS WHICH SHALL NOT BE TAKEN INTO ACCOUNT DURING RRC-06 PLANNING BE 16.19.2004					
(For BR use only)	EXCLUDE recorded assignment from the Reference file REINSTATE previously EXCLUDED assignment back to the Reference file					
Identifying parameters of the recorded assignr Fragment: ST61 Plan GE89 Plan Article 11(RR) - MIFR RCC List (TP2 Notices)	1A/ Assigned frequency (MHz) and 4C/ Coordinates: Longitude Latitude or Administration Unique Identifier of the recorded assignment deq. min. sec. E/W deg. min. sec. N/S					
(For BR use only)	EXCLUDE recorded assignment from the Reference file REINSTATE previously EXCLUDED assignment back to the Reference file					
Identifying parameters of the recorded assignr Fragment: □ ST61 Plan □ GE89 Plan □ Article 11(RR) - MIFR □ RCC List (TP2 Notices)	nent 1A/ Assigned frequency (MHz) and 4C/ Coordinates: Longitude Latitude or Administration Unique Identifier of the recorded assignment deq. min. sec. E/W deq. min. sec. N/S					
(For BR use only) Identifying parameters of the recorded assignment of the	EXCLUDE recorded assignment from the Reference file REINSTATE previously EXCLUDED assignment back to the Reference file					
Fragment: ST61 Plan GE89 Plan Article 11(RR) - MIFR RCC List (TP2 Notices)	1A/ Assigned frequency (MHz) and 4C/ Coordinates: Longitude Latitude or Administration Unique Identifier of the recorded assignment deg. min. sec. E/W deg. min. sec. N/S					
(For BR use only)	EXCLUDE recorded assignment from the Reference file REINSTATE previously EXCLUDED assignment back to the Reference file					
Identifying parameters of the recorded assignr Fragment: □ ST61 Plan □ GE89 Plan □ Article 11(RR) - MIFR □ RCC List (TP2 Notices)	nent 1A/ Assigned frequency (MHz) and 4C/ Coordinates: Longitude Latitude or Administration Unique Identifier of the recorded assignment deq. min. sec. E/W deq. min. sec. N/S					
(For BR use only)	EXCLUDE recorded assignment from the Reference file REINSTATE previously EXCLUDED assignment back to the Reference file					
Identifying parameters of the recorded assignr Fragment: □ ST61 Plan □ GE89 Plan □ Article 11(RR) - MIFR □ RCC List (TP2 Notices)	nent 1A/ Assigned frequency (MHz) and 4C/ Coordinates: Longitude Latitude or Administration Unique Identifier of the recorded assignment deq. min. sec. E/W deq. min. sec. N/S					



Notification for the purpose of reference situation in other than broadcasting primary services (RRC06)

The administrations are expected to notify only those frequency assignments which are to be taken into account during the planning process.

At the same time, the administrations shall update the identified assignment with RRC-06 specific information on Service type code (see Annex 4.1 to the Chapter 4 of the Report to the second session. In addition, the administrations have the possibility to update the coordination information (field 11 – Successfully coordinated with).

For this purpose, the Bureau has developed a specific notice form R06 which serves to indicate through given identifying parameters the assignments to be included to the reference file, and to update the above indicated parameters.

The notice form in paper format contains data for up to three assignments per page to be processed.

Notice form **R06** exists in electronic format as well.

22-25 November 2004

Damascus, Syria

ASBU - ITU Workshop 2004 22-25 Novem on Digital Broadcasting Notice form R06

Date of notification Day Month Year Administration								
	IN RRC-06 PLANNING AREA AND IN FREQUENCY BANDS TO BE TAKEN INTO ACCOU	INT DURING THE PLANNING	09.09.2004					
(For BR use only)	ADD recorded assignment to the Reference file Reference file	eviously recorded Administration	Unique Identifier, or					
Identifying parameters of the recorded assignment								
O-1a: Assigned frequency (MHz) O-6a: Control of static		O-4c/5c: Coordinates / centre	of circular area (Long./Lat.) E/W deg. min. sec. N/S					
Particulars of the assignment to be updated		Т.	T					
Symbols designating the Administration	ther Administrations	Service type code	Remarks					
Symbols designating the Administration								
(For BR use only) Identifying parameters of the recorded assignment of the	ADD recorded assignment to the WITHDRAW previously added assignment from the Reference file Reference file	eviously recorded Administration	Unique Identifier, or					
O-1a: Assigned frequency (MHz) O-6a: C		O-4c/5c: Coordinates / centre	of circular area (Long /Lat)					
of static	· · · · · · · · · · · · · · · · · · ·		E/W deg. min. sec. N/S					
Particulars of the assignment to be updated								
11: Successfully completed coordination with o	ther Administrations	Service type code	Remarks					
Symbols designating the Administration								
(For BR use only)	ADD recorded assignment to the WITHDRAW previously added assignment from the Reference file Reference file	eviously recorded Administration	Unique Identifier, or					
Identifying parameters of the recorded assignm		T						
O-1a: Assigned frequency (MHz) O-6a: Confidence of Station	, , , , , , , , , , , , , , , , , , , ,	O-4c/5c: Coordinates / centre	e of circular area (Long./Lat.) E/W deg. min. sec. N/S					
Particulars of the assignment to be updated								
Symbols designating the Administration	ther Administrations	Service type code	Remarks					

