DT1 - Data for a digital television broadcasting (DVB-T) assignment requirement

No	Item (for Digital TV assignment) DT1	M/O*	RR App. 4 Item	Electronic notification Key	Database Field name	Database Table	Data type	Comments
1	ITU symbol for administration responsible	M	B	t_adm	adm	fmtv_terra	char(3)	
2	The character set	O		t_char_set				ISO-8859-1
3	The electronic mail address	O		t_email_addr	email_addr	rrc_elements	char(30)	
4	Add, modify, suppress	M		t_action	intent	fmtv_terra	char(7)	[ADD, MODIFY, SUPPRESS]
5	Notice type	M		t_notice_type	notice_typ	fmtv_terra	char(3)	DT1
6	Fragment	M		t_fragment	fragment	fmtv_terra	char(8)	RC06
7	Unique identifier given by the administration for the assignment	M		t_adm_ref_id	adm_ref_id	fmtv_terra	char(20)	
7a	Unique identifier given by the administration for the target assignment to MOD or SUP	(M)		t_trg_adm_ref_id			char(20)	
8	ITU symbol for country in which transmitter is sited	M	4B	t_ctry	ctry	fmtv_terra	char(3)	
9	Name of the location of the transmitting station	M	4A	t_site_name	site_name	fmtv_terra	char(30)	Upper case [A-Z],[0-9],-,\
10	Geographical coordinate, latitude	M	4C	t_lat	lat_deg	fmtv_terra	integer	
					lat_min	fmtv_terra	integer	
					lat_sec	fmtv_terra	integer	
					lat_ns	fmtv_terra	char(1)	[N,S]
11	Geographical coordinate, longitude	M	4C	t_long	long_deg	fmtv_terra	integer	
					long_min	fmtv_terra	integer	
					long_sec	fmtv_terra	integer	
					long_ew	fmtv_terra	char(1)	[E,W]
12	Altitude of site (metres above sea level)	M	9EA	t_site_alt	site_alt	fmtv_terra	integer	a +/- sign followed by a number
	Enter either 13a + 13b or 14							
13a	Digital television system (including DVB-T variant)	(M)		rrc_sys_var	sys_var	rrc_elements	char(2)	Table 3.4.1
				rrc_nb_carr	nb_carr		char(2)	[2K, 8K]
				rrc_guard_interval	guard_interval		char(2)	[4, 8, 16, 32]
13b	Reception mode (e.g. fixed, portable)	(M)		rrc_rx_mode	rx_mode	rrc_elements	char(1)	§ 3.6 [F, B, A, M]
14	Reference planning configuration (RPC 1, RPC 2 or RPC 3)	(M)		rrc_ref_plan_cfg	ref_plan_cfg	rrc_elements	char(4)	[RPC1, RPC2, RPC3]
15	List of acceptable channels	O		rrc_channel	channel	rrc_elements	char(30)	The elements of the list being separated by commas. Annex 3.1

No	Item (for Digital TV assignment) DT1	M/O*	RR App. 4 Item	Electronic notification Key	Database Field name	Database Table	Data type	Comments
	Complete 16 and/or 17, based on the value given in field 21							
16	Maximum e.r.p. of horizontally polarized component (dBW)	(M)	8BH	t_erp_h_dbw	erp_h_dbw	fmtv_terra	float8	a +/- sign followed by a number, including a decimal point
17	Maximum e.r.p. of vertically polarized component (dBW)	(M)	8BV	t_erp_v_dbw	erp_v_dbw	fmtv_terra	float8	a +/- sign followed by a number, including a decimal point
18	Identifier for SFN (if item 19 is notified then this field is mandatory)	(M)		rrc_sfn_id	sfn_id	rrc_elements	char(30)	Upper case [A-Z],[0-9],-,\
19	Relative timing of transmitter within an SFN (µs) (if item 18 is notified then this field is mandatory)	(M)		rrc_sfn_tx_tim	sfn_tx_tim	rrc_elements	integer	Max 4 digits
20	Unique DVB-T allotment identifier given by the administration for the allotment to which this assignment is related	O		rrc_adm_allot_id	adm_allot_id	rrc_elements	char(20)	Upper case [A-Z], [0-9], (), -, \
21	Polarization (H-horizontal/V-vertical/M-mixed/U-unspecified)	M	9D	t_polar	polar	fmtv_terra	char(1)	[H,V,M,U]
22	Height of antenna (metres above ground level)	M	9E	t_hgt_agl	hgt_agl	fmtv_terra	float8	
23	Antenna Directivity	M	9	rrc_ant_dir	ant_dir	fmtv_terra	char(2)	[D, ND]
24	36 values of e.r.p. reduction (dB) of the horizontally-polarized component in the horizontal plane relative to the maximum e.r.p. of the horizontally-polarized component as given above (at 10° intervals, starting at North), mandatory if field 23 = D	(M)	9NH	t_attn@azmXXX (in ANT_DIAGR_H sub-section)	polar	fmtv_ant_diag	char(1)	[H,V]
					azm	fmtv_ant_diag	float	
					attn	fmtv_ant_diag	float8	
25	36 values of e.r.p. reduction (dB) of the vertically-polarized component in the horizontal plane relative to the maximum e.r.p. of the vertically-polarized component as given above (at 10° intervals, starting at North), mandatory if field 23 = D	(M)	9NV	t_attn@azmXXX (in ANT_DIAGR_V sub-section)	polar	fmtv_ant_diag	char(1)	[H,V]
					azm	fmtv_ant_diag	float	
					attn	fmtv_ant_diag	float8	
26	Maximum effective antenna height (m)	M	9EB	t_eff_hgtmax	eff_hgtmax	fmtv_terra	integer	
27	36 values of effective antenna height (metres, at 10° intervals, starting at North); if not provided, the value of the maximum effective antenna height should be used for all 36 values	M	9EC	t_eff_hgt@azmXXX (in ANT_HGT sub-section)	azm	fmtv_ant_hgt	float	
					eff_hgt	fmtv_ant_hgt	integer	
28	Spectrum mask	M		rrc_spect_mask	spect_mask	rrc_elements	char(1)	[N, S]
29	Date of notification by administrations	O		t_d_adm_ntc	d_adm_ntc	fmtv_terra	date	
30	Origin: conversion of an analogue assignment	O		rrc_conv_freq_assgn	conv_freq_assgn	rrc_elements	float8	In MHz
				rrc_conv_long	conv_long_deg		integer	
					conv_long_min		integer	
					conv_long_sec		integer	
					conv_long_ew		char(1)	[E,W]

No	Item (for Digital TV assignment) DT1	M/O*	RR App. 4 Item	Electronic notification Key	Database Field name	Database Table	Data type	Comments
				rrc_conv_lat	conv_lat_deg		integer	
					conv_lat_min		integer	
					conv_lat_sec		integer	
					conv_lat_ns		char(1)	[N,S]
31	Administrations with which successful pre-coordination was effected	O	11	t_adm (in COORD section)	adm	fmtv_coord	char(3)	
32	Remarks	O		t_remarks	rmk_txt	fmtv_rmks	char(80)	

* M : Mandatory
(M) : Required in some cases
O : Optional

DT2 - Data for a digital television broadcasting (DVB-T) allotment requirement

No	Item (for Digital TV allotment) DT2	M/O*	RR App. 4 Item	Electronic notification Key	Database field name	Database Table	Data type	Comments
1	ITU symbol for administration responsible	M	B	t_adm	adm	fmtv_terra	char(3)	
2	The character set	O		t_char_set				ISO-8859-1
3	The electronic mail address	O		t_email_addr	email_addr	rrc_elements	char(30)	
4	Add, modify, suppress	M		t_action	intent	fmtv_terra	char(7)	[ADD, MODIFY, SUPPRESS]
5	Notice type	M		t_notice_type	notice_typ	fmtv_terra	char(3)	DT2
6	Fragment	M		t_fragment	fragment	fmtv_terra	char(8)	RC06
7	Unique DVB-T identifier for the allotment given by the administration	M		t_adm_ref_id	adm_ref_id	fmtv_terra	char(20)	
7a	Unique identifier given by the administration for the target allotment to MOD or SUP	(M)		t_trg_adm_ref_id			char(20)	
8	ITU symbol for country in which allotment is located	M	4B	t_ctry	ctry	fmtv_terra	char(3)	
9	Digital broadcasting allotment name	M		rrc_allot_name	allot_name	rrc_allotment	char(30)	Recommended Upper case
	Enter either 10a + 10b or 11							
10a	Digital television system (including DVB-T variant)	(M)		rrc_sys_var	sys_var	rrc_elements	char(2)	Table 3.4.1
				rrc_nb_carr	nb_carr		char(2)	[2K, 8K]
				rrc_guard_interval	guard_interval		char(2)	[4, 8, 16, 32]
10b	Reception mode (e.g. fixed, portable)	(M)		rrc_rx_mode	rx_mode	rrc_elements	char(1)	§ 3.6 [F, B, A, M]
11	Reference planning configuration (RPC 1, RPC 2 or RPC 3)	(M)		rrc_ref_plan_cfg	ref_plan_cfg	rrc_elements	char(4)	[RPC1, RPC2, RPC3]
12	Type of reference network (RN 1, RN 2, RN 3 or RN 4)	M		rrr_typ_ref_netwk	typ_ref_netwk	rrc_elements	char(3)	[RN1, RN2, RN3, RN4]
13	Identifier for SFN	O		rrc_sfn_id	sfn_id	rrc_elements	char(30)	Upper case [A-Z],[0-9],-,\
14	Polarization (H-horizontal/V-vertical/M-mixed/U-unspecified)	M	9D	t_polar	polar		char(1)	[H,V,M,U]
15	List of acceptable channels	O		rrc_channel	channel	rrc_elements	char(30)	The elements of the list being separated by commas. Annex 3.1
16	If all the test points are on the country boundary for this allotment, enter the identifier for national boundary	(M)		rrc_geo_area	geo_area	rrc_allotment	char(3)	
17	If previous field is blank, enter number (up to 9) of sub-areas within this allotment	(M)		rrc_nb_sub_areas	nb_sub_areas	rrc_allotment	integer	[1-9]
18	Enter for each sub-area (up to 9) a unique contour number	(M)		rrc_contour_id	contour_id	rrc_contour	integer	max 4 digits
19	Date of notification by administrations	O		t_d_adm_ntc	d_adm_ntc	fmtv_terra	date	
20	Origin: conversion of an analogue assignment	O		rrc_conv_freq_assgn	conv_freq_assgn	rrc_elements	float8	In MHz

No	Item (for Digital TV allotment) DT2	M/O*	RR App. 4 Item	Electronic notification Key	Database field name	Database Table	Data type	Comments
				rrc_conv_long	conv_long_deg		integer	
					conv_long_min		integer	
					conv_long_sec		integer	
					conv_long_ew		char(1)	[E,W]
				rrc_conv_lat	conv_lat_deg		integer	
					conv_lat_min		integer	
					conv_lat_sec		integer	
					conv_lat_ns		char(1)	[N,S]
21	Administrations with which successful pre-coordination was effected	O	11	t_adm (in COORD section)	adm	fmtv_coord	char(3)	
22	Remarks	O		t_remarks	rmk_txt	fmtv_rmks	char(80)	

* M : Mandatory
(M) : Required in some cases
O : Optional

DS1 - Data for a digital sound broadcasting (T-DAB) assignment requirement

No	Item (for Digital BC assignment) DS1	M/O*	RR. App. 4 Item	Electronic notification Key	Database field name	Database Table	Data type	Comments
1	ITU symbol for administration responsible	M	B	t_adm	adm	fmtv_terra	char(3)	
2	The character set	O		t_char_set				ISO-8859-1
3	The electronic mail address	O		t_email_addr	email_addr	rrc_elements	char(50)	
4	Add, modify, suppress	M		t_action	intent	fmtv_terra	char(7)	[ADD, MODIFY, SUPPRESS]
5	Notice type	M		t_notice_type	notice_typ	fmtv_terra	char(3)	DS1
6	Fragment	M		t_fragment	fragment	fmtv_terra	char(8)	RC06
7	Unique identifier given by the administration for the assignment	M		t_adm_ref_id	adm_ref_id	fmtv_terra	char(20)	
7a	Unique identifier given by the administration for the target assignment to MOD or SUP	(M)		t_trg_adm_ref_id			char(20)	
8	ITU symbol for country in which transmitter is sited	M	4B	t_ctry	ctry	fmtv_terra	char(3)	
9	Name of the location of the transmitting station	M	4A	t_site_name	site_name	fmtv_terra	char(30)	Upper case [A-Z],[0-9],-,\
10	Geographical coordinate, latitude	M	4C	t_lat	lat_deg	fmtv_terra	integer	
					lat_min	fmtv_terra	nteger	
					lat_sec	fmtv_terra	integer	
					lat_ns	fmtv_terra	char(1)	[N,S]
11	Geographical coordinate, longitude	M	4C	t_long	long_deg	fmtv_terra	integer	
					long_min	fmtv_terra	integer	
					long_sec	fmtv_terra	integer	
					long_ew	fmtv_terra	char(1)	[E,W]
12	Altitude of site (metres above sea level)	M	9EA	t_site_alt	site_alt	fmtv_terra	integer	
13	Reference planning configuration (RPC 4 or RPC 5) (mandatory)	M		rrc_ref_plan_cfg	ref_plan-cfg	rrc_elements	char(4)	[RPC4, RPC5]
14	List of acceptable frequency blocks	O		rrc_freq_block	freq_block	rrc_elements	char(30)	List separated by commas. The first 2 characters are numeric [5,12] and the third is a character is either [A,B,C,D] Table A3.1-10
	Complete 15 and/or 16, based on the value given in field 20							
15	Maximum e.r.p. of horizontally polarized component (dBW)	(M)	8BH	t_erp_h_dbw	erp_h_dbw	fmtv_terra	float8	
16	Maximum e.r.p. of vertically polarized component (dBW)	(M)	8BV	t_erp_v_dbw	erp_v_dbw	fmtv_terra	float8	

No	Item (for Digital BC assignment) DS1	M/O*	RR. App. 4 Item	Electronic notification Key	Database field name	Database Table	Data type	Comments
17	Identifier for SFN (if item 19 is notified then this field is mandatory)	(M)		rrc_sfn_id	sfn_id	rrc_elements	char(30)	Upper case [A-Z],[0-9],-,\
18	Unique T-DAB allotment identifier given by the administration for the allotment to which this assignment is related	O		rrc_adm_allot_id	adm_allot_id	rrc_elements	char(20)	Upper case [A-Z], [0-9], (), -, \
19	Relative timing of transmitter within an SFN (µs) (if item 17 is notified then this value is mandatory)	(M)		rrc_sfn_tx_tim	sfn_tx_tim	rrc_elements	integer	Max 4 digits
20	Polarization (H-horizontal/V-vertical/M-mixed/U-unspecified)	M	9D	t_polar	polar	fmtv_terra	char(1)	[H,V,M,U]
21	Height of antenna (metres above ground level)	M	9E	t_hgt_agl	hgt_agl	fmtv_terra	float8	
22	Antenna Directivity	M	9	rrc_ant_dir	ant_dir	fmtv_terra	char(2)	[D, ND]
23	Antenna attenuation – horizontal. 36 values of e.r.p. reduction (dB) of the horizontally-polarized component in the horizontal plane relative to the maximum e.r.p. of the horizontally-polarized component as given above (at 10° intervals, starting at North), mandatory if field 22 = D	(M)	9NH	t_attn@azmXXX (in ANT_DIAGR_H subsection)	polar	fmtv_ant_diag	char(1)	[H,V]
					azm	fmtv_ant_diag	float	
					attn	fmtv_ant_diag	float8	
24	Antenna attenuation – vertical. 36 values of e.r.p. reduction (dB) of the vertically-polarized component in the horizontal plane relative to the maximum e.r.p. of the vertically-polarized component as given above (at 10° intervals, starting at North), mandatory if field 22 = D	(M)	9NV	t_attn@azmXXX (in ANT_DIAGR_V sub-section)	polar	fmtv_ant_diag	char(1)	[H,V]
					azm	fmtv_ant_diag	float	
					attn	fmtv_ant_diag	float8	
25	Maximum effective antenna height (m)	M	9EB	t_eff_hgtmax	eff_hgtmax	fmtv_terra	integer	
26	36 values of effective antenna height (metres, at 10° intervals, starting at North); if not provided, the value of the maximum effective antenna height should be used for all 36 values	M	9EC	t_eff_hgt@azmXXX (in ANT_HGT sub-section)	azm	fmtv_ant_hgt	float	
					eff_hgt	fmtv_ant_hgt	integer	
27	Spectrum mask	M		rrc_spect_mask	spect_mask	rrc_elements	char(1)	[1, 2,3]
28	Date of notification by administrations	O		t_d_adm_ntc	d_adm_ntc	fmtv_terra	date	
29	Administrations with which successful pre-coordination was effected	O	11	t_adm (in COORD section)	adm	fmtv_coord	char(3)	
30	Remarks	O		t_remarks	rmk_txt	fmtv_rmks	char(80)	

* M : Mandatory
(M) : Required in some cases
O : Optional

DS2 - Data for a digital sound broadcasting (T-DAB) allotment requirement

No	Item (for Digital BC allotment) DS2	M/O*	RR App. 4 Item	Electronic notification Key	Database field name	Database Table	Data type	Comments
1	ITU symbol for administration responsible	M	B	t_adm	adm	fmtv_terra	char(3)	
2	The character set	O		t_char_set				ISO-8859-1
3	The electronic mail address	O		t_email_addr	email_addr	rrc_elements	char(50)	
4	Add, modify, suppress	M		t_action	intent	fmtv_terra	char(7)	[ADD, MODIFY, SUPPRESS]
5	Notice type	M		t_notice_type	notice_typ	fmtv_terra	char(3)	DS2
6	Fragment	M		t_fragment	fragment	fmtv_terra	char(8)	RC06
7	Unique identifier given by the administration for the allotment	M		t_adm_ref_id	adm_ref_id	fmtv_terra	char(20)	
7a	Unique identifier given by the administration for the target allotment to MOD or SUP	(M)		t_trg_adm_ref_id			char(20)	
8	ITU symbol for country in which allotment is located	M	4B	t_ctry	ctry	fmtv_terra	char(3)	
9	Digital broadcasting allotment name	M		rrc_allot_name	allot_name	rrc_allotment	char(30)	Recommended Upper case
10	Reference planning configuration (RPC 4, RPC 5) (mandatory)	M		rrc_ref_plan_cfg	ref_plan_cfg	rrc_elements	char(4)	[RPC4, RPC5] Proposed by BCD on 24/08/2004
11	Type of reference network (RN 5, RN 6) (not to be notified only to view, generated by the system and the rule is if RPC4 →RN5 and if RPC5 → RN6)	M		rrr_typ_ref_netwk	typ_ref_netwk	rrc_elements	char(3)	[RN5, RN6] Proposed by BCD on 24/08/2004
12	Identifier for SFN	O		rrc_sfn_id	sfn_id	rrc_elements	char(30)	Upper case [A-Z],[0-9],-,\ Proposed by BCD on 24/08/2004
13	Polarization (H-horizontal/V-vertical/M-mixed/U-unspecified)	M	9D	t_polar	polar		char(1)	[H,V,M,U]
14	List of acceptable frequency blocks	O		rrc_freq_block	freq_block	rrc_elements	char(30)	List separated by commas. The first 2 characters are numeric [5,12] and the third is a character is either [A,B,C,D] Table A3.1-10
15	If all the test points are on the country boundary for this allotment, enter the identifier for national boundary	(M)		rrc_geo_area	geo_area	rrc_allotment	char(3)	
16	If previous field is blank, enter number (up to 9) of sub-areas within this allotment	(M)		rrc_nb_sub_areas	nb_sub_areas	rrc_allotment	integer	[1-9]
17	Enter for each sub-area (up to 9) a unique contour number	(M)		rrc_contour_id	contour_id	rrc_contour	integer	max 4 digits
18	Date of notification by administrations	O		t_d_adm_ntc	d_adm_ntc	fmtv_terra	date	

No	Item (for Digital BC allotment) DS2	M/O*	RR App. 4 Item	Electronic notification Key	Database field name	Database Table	Data type	Comments
19	Administrations with which successful pre-coordination was effected	O	11	t_adm (in COORD section)	adm	fmtv_coord	char(3)	
20	Remarks	O		t_remarks	rmk_txt	fmtv_rmks	char(80)	

* M : Mandatory
(M) : Required in some cases
O : Optional

DA1 - Data for a sub allotment area for digital broadcasting requirement (DVB-T or T-DAB)

No	Item (for Digital TV allotment) DA1	M/O*	RR App. 4 Item	Electronic notification Key	Database field name	Database Table	Data type	Comments
1	ITU symbol for administration responsible	M	B	t_adm	adm	rrc_contour	char(3)	
2	The character set	O		t_char_set				ISO-8859-1
3	The electronic mail address	O		t_email_addr			char(50)	
4	Notice type	M		t_notice_type			char(3)	DA1
5	Fragment	M		t_fragment			char(8)	RC06
6	ITU symbol for country in which allotment is located	M	4B	t_ctry	ctry	rrc_contour	char(3)	
7	Unique contour ID	M		rrc_contour_id	contour_id	rrc_contour	integer	max 4 digits
8	Number of boundary test points	M		rrc_nb_test_pts	nb_test_pts	rrc_contour	integer	[1-99]
9	The coordinates of its associated allotment test points. Each coordinate will be within <POINT> sub-section	M		rrc_long (in <POINT> sub-section)	long_deg	rrc_contour_pt	integer	
					long_min	rrc_contour_pt	integer	
					long_sec	rrc_contour_pt	integer	
					long_ew	rrc_contour_pt	char(1)	[E,W]
				rrc_lat (in <POINT> sub-section)	lat_deg	rrc_contour_pt	integer	
					lat_min	rrc_contour_pt	integer	
					lat_sec	rrc_contour_pt	integer	
					lat_ns	rrc_contour_pt	char(1)	[N,S]
10	Remarks	O		t_remarks	remarks	rrc_contour	char(80)	

* M : Mandatory
(M) : Required in some cases
O : Optional