Details relating to the contents of the SNS data items published in Part I-S, II-S, III-S and the Special Sections of the BR IFIC

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
adm_assoc							**Administration list "on behalf of" which submitted**	
	ntc_id	BR	9(9)	x		x	unique identifier of the notice	PK, FK; see NOTE 1
	adm	A.1.f.2	X(3)	x		x	country symbol of the notifying administration	PK; see NOTE 1
assgn							**Assigned frequency**	
	grp_id		9(9)	x	x	x	unique identifier of the group	PK, FK; see NOTE 1
	seq_no		9(4)	x	x	x	sequence number	PK; see NOTE 1
	freq_sym	C.2.a.1.a	X	x	x	x	symbol indicating kilohertz [K], megahertz [M] or gigahertz [G]	
	freq_assgn	C.2.a.1.b	k:9(5).9(3)/ m:9(5).9(6) /g:9(4).9(9)	x	x	x	assigned frequency	
	freq_mhz	BR	9(7).9(6)				frequency in MHz	derived data
	f_cmp_rec	BR	X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
c_pfd		A.17					**Compliance with pfd limits**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	seq_no		9(4)	x			sequence number	PK; see NOTE 1
	freq_min		9(7).9(6)	x			lower frequency limit of the band [MHz]	
	freq_max		9(7).9(6)	x			upper frequency limit of the band [MHz]	
	pfd		S9(3).9(2)	x			pfd value in dB(W/m²)	
	bdwdth		9(8)	x			bandwidth (in kHz) over which pfd was calculated	
	ra_stn_type		X	x			type of radio astronomy station: S - single-dish, V - VLBI	
carrier_fr							**carrier frequency of the emissions**	
	grp_id		9(9)	x			unique identifier of the group	PK, FK; see NOTE 1
	seq_emiss		9(4)	x			sequence number of the emission	PK, FK; see NOTE 1
	seq_no		9(4)	x			sequence number	PK; see NOTE 1
	freq_carr	C.7.b	9(6).9(6)	x			carrier frequency in MHz	
cmr_grp_lnk							**To link 'cmr_syst' to 'grp'**	
	ntc_id		9(9)				unique identifier of the notice	PK, FK; see NOTE 1
	seq_cmr		9(4)				sequence number of the commercial system pertaining to the network submitted on the notice	PK, FK; see NOTE 1
	grp_id		9(9)				unique identifier of the group (Res49)	PK, FK; see NOTE 1
cmr_notice				x			**Table linking Res552 submission and ITU spacecraft Id.**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	itu_scraft_id		9(9)	x			unique identifier of the spacecraft	PK, FK
	reg_st		X	x			code indicating regulatory status (F = First bringing into use, S = Suspended, R= Resumed)	
	d_reg_st		9(8)	x			Date of first bringing into use / suspending / resuming	
	rsn_susp		X(255)	x			reason for suspension	
cmr_syst							**Table to identify commercial satellite system submitted under RES49**	
	ntc_id	BR	9(9)	x		x	unique identifier of the notice	PK, FK; see NOTE 1
	seq_no	BR	9(4)	x		x	sequence number of the commercial system pertaining to the network submitted on the notice	PK; see NOTE 1

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	ntwk_name		X(20)	x		x	commercial name of the satellite	
	lsp_name		X(20)	x		x	name of the launch service provider	
	vehicle		X(20)	x		x	name of the launch vehicle	
	d_exe		9(8)	x		x	date of execution of the launch contract	
	d_deliv_fr		9(8)	x		x	starting limit of the anticipated launch or in-orbit "delivery window"	
	d_deliv_to		9(8)	x		x	end limit of the anticipated launch or in-orbit "delivery window"	
	facility		X(20)	x		x	name of the launch facility	
	mfct_name		X(20)	x		x	name of the manufacturer	
	nbr_sat		9(9)	x		x	number of satellites procured	
	d_exe_m		9(8)	x		x	date of execution of the contract	
	d_deliv_fr_m		9(8)	x		x	starting limit of the contractual "delivery window"	
	d_deliv_to_m		9(8)	x		x	end limit of the contractual "delivery window"	
coord_agree_ntw		A5/A6		x			**Network-level coordination agreements**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	coord_prov	A.5.c/A.6.c	X(20)	x			provision code for form of coordination	PK;
	adm	A.5.a.1/A.6.a	X(3)	x			country symbol of the notifying administration	
	ntwk_org	A.5.a.2/A.6.b	X(3)	x			symbol of the organization operating regional or international networks (Table 2 of the Preface to the International Frequency List)	
	sat_name	A.5.a.2.a/A.6.a.1	X(30)	x			name of the satellite network or system for which agreement has been successfully effected/reached for all notified assignments	PK;
	long_nom		S9(3).9(2)	x			nominal longitude of the space station identified in A.5.a.2.a/A.6.a.1, give '-' for West '+' for East	
diag_grp							**Diagrams attached to the group (for NGSO only)**	
	grp_id		9(9)	x		x	unique identifier of the group	PK, FK; see NOTE 1
	diag_type		X(5)	x		x	type of the diagram	PK
	diag_no		9(2)	x		x	number of the diagram in GIMS	
	attch_no		9(2)	x		x	number of the attachment	
e_ant							**Earth station antenna**	
	ntc_id		9(9)		x		unique identifier of the notice	PK, FK; see NOTE 1
	emi_rcp	B.2	X		x		code identifying a beam as either transmitting [E] or receiving [R]	PK
	beam_name	B.1.a	X(8)		x		designation of the satellite antenna beam	PK
	act_code		X		x		code indicating the action to be taken on the entity	see NOTE 3
	beam_old		X(8)		x		previous designation of the satellite antenna beam	in case the beam designation is to be changed
	bmwdth	B.5.b	9(3).9(2)		x		beamwidth of the earth station antenna	
	attch_e	B.5.c.1	9(2)		x		number of the attachment for the co-polar radiation pattern diagram	see NOTE 2
	attch_e_x	B.5.c.1.b	9(2)				number of the attachment for the cross-polar radiation pattern diagram	see NOTE 2
	gain	B.5.a	S9(2).9(1)		x		maximum isotropic gain of the earth station antenna	
	pattern_id	B.5.c.2.a	9(4)		x		unique identifier of the co-polar radiation pattern in the reference table ant_type	see NOTE 4
	pattern_id_x	B.5.C.2.B	9(4)				unique identifier of the cross-polar radiation pattern in the reference table ant_type	see NOTE 4
	ant_diam	A.7.f	9(3).9(2)		x		antenna diameter (meters)	
	dgso	B.5.d	9(3).9(2)		x	30B	Antenna dimension aligned with the geostationary arc (DGSO) (m)	
	attch_crdn	A.10.a	9(2)		x		number of the attachment for the earth station coordination diagram	see NOTE 2
	f_fdg_reqd		X				code indicating if finding is required	BR internal data
	cmp_ntc_id		9(9)				ntc_id of the second beam if two beams are compared	BR internal data

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	cmp_beam		X(8)				beam_name of the second beam if two beams are compared	BR internal data
	f_cmp_str		X				code indicating if two structures compared are equal [E], have basic differences [B], have non-basic differences [N] or the second structure is not found [X]	BR internal data
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
e_ant_elev							**Earth antenna elevation**	
	ntc_id		9(9)		x	x	unique identifier of the notice	PK, FK; see NOTE 1
	azm	A.7.e.1	9(3).9		x	x	azimuth in degrees measured clockwise from true north for which the antenna elevation angle is given in the data-item “elev_ang”	PK
	elev_ang	A.7.e.2	S9(2).9		x	x	minimum elevation angle in degrees of the antenna in the azimuth given in data-item “azm”	
	f_cmp_rec		X			Null	code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
e_as_stn							**Associated earth station**	
	grp_id		9(9)	x		x	unique identifier of the group	PK, FK; see NOTE 1
	seq_no		9(4)	x		x	sequence number	PK; see NOTE 1
	e_as_id		9(9)				identifier of associated earth station	BR internal data
	stn_name	C.10.b.1	X(30)	x		30A	name of the transmitting or receiving station	
	stn_type	C.10.b.2	X	x		x	code indicating if the earth station is specific [S] or typical [T]. Code [P] indicates test points for a network (except Article 2A) subject to a plan and Res553	
	long_dec		S9(3).9(4)			x	longitude in degrees with four decimals	derived data
	lat_dec		S9(2).9(4)			x	latitude in degrees with four decimals	derived data
	ant_alt		S9(4)			x	altitude of the earth station antenna in meters	
	clim_zone		X			x	rain climatic zone	
	noise_t	C.10.d.6	9(6)	x		30B	total receiving system noise temperature, expressed in kelvins referred to the output of the receiving antenna	
	gain	C.10.d.3	n:S9(2).9(1) p:S9(2).9(2)	x		x	maximum isotropic gain of the antenna expressed in dB	
	ant_diam	C.10.d.7 / C.10.d.8	9(3).9(4)	x		30/30A	diameter of the earth station antenna (in meters) or the equivalent antenna diameter, (i.e. the diameter, in metres, of a parabolic antenna with the same off-axis performance as the receiving associated earth station antenna)	
	dgso	C.10.d.9	9(3).9(2)	x		30B	Antenna dimension aligned with the geostationary arc (DGSO) (m)	
	bmwdth	C.10.d.4	9(3).9(2)	x		x	angular width of radiation main lobe expressed in degrees with two decimal positions	
	pattern_id	C.10.d.5.a.1	9(4)	x		x	the key to the reference table for the co-polar antenna radiation pattern	see NOTE 4
	long_deg	C.10.c.1	9(3)	x		30A	degree part of longitude coordinate of the station expressed in degrees, minutes and seconds	
	long_ew	C.10.c.1	X	x		30A	longitude direction indicator: East [E] or West [W]	
	long_min	C.10.c.1	9(2)	x		30A	minute part of longitude coordinate of the station expressed in degrees, minutes and seconds	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	long_sec	C.10.c.1	9(2)	x		30A	second part of longitude coordinate of the station expressed in degrees, minutes and seconds	
	lat_deg	C.10.c.1	9(2)	x		30A	degree part of latitude coordinate of the station expressed in degrees, minutes and seconds	
	lat_ns	C.10.c.1	X	x		30A	latitude direction indicator: North [N] or South [S]	
	lat_min	C.10.c.1	9(2)	x		30A	minute part of latitude coordinate of the station expressed in degrees, minutes and seconds	
	lat_sec	C.10.c.1	9(2)	x		30A	second part of latitude coordinate of the station expressed in degrees, minutes and seconds	
	ctry	C.10.c.2	X(3)	x		30A	symbol of the country or geographical area in which the Earth station is located	
	act_code		X	x			code indicating the action to be taken on the entity	see NOTE 3
	attch_e	C.10.d.5.a.2	9(2)	x		x	number of the attachment for the co-polar radiation pattern diagram	see NOTE 2
	attch_e_x	C.10.d.5.a.2	9(2)	x		x	number of the attachment for the cross-polar antenna radiation pattern diagram	see NOTE 2
	diag_e		9(2)	x		x	number of the co-polar antenna radiation pattern diagram in GIMS	
	diag_e_x		9(2)	x		x	number of the cross-polar antenna radiation pattern diagram in GIMS	
	stn_old	C.10.b	X(30)	x		x	previous name of the transmitting or receiving station	if the associated station name is to be changed
	rcp_type		X			x	code indicating if the reception type is individual [I] or community [C]	
	pwr_max	C.8.g.1	S9(2).9(1)				the maximum aggregate power, in dBW, of all carriers (per transponder, if applicable) supplied to the input of the transmitting antenna of the associated earth station	
	bdwdth_aggr	C.8.g.2	9(6)				the aggregate bandwidth of all carriers (per transponder, if applicable) supplied to the input of the transmitting antenna of the associated earth station	
	f_trp_band	C.8.g.3	X				an indicator showing whether the bandwidth of the transponder corresponds to the aggregate bandwidth of all carriers (per transponder, if applicable) supplied to the input of the transmitting antenna of the associated earth station	
	f_e_change		X	x			For future use when antenna pattern diagrams will be in GIMS	
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
e_srvcls							**Nature of service and class of station for an associated earth station**	
	grp_id	BR	9(9)	x			unique identifier of the group	PK, FK; see NOTE 1
	seq_e_as		9(4)	x			sequence number of the corresponding associated earth station	PK, FK; see NOTE 1
	seq_no		9(4)	x			sequence number	PK; see NOTE 1
	stn_cls	C.10.d.1	X(2)	x	x		class of station code	Table 3 of the Preface
	nat_srv	C.10.d.2	X(2)	x	x		nature of service code	
e_stn		A.7					**Earth station**	
	ntc_id	BR	9(9)		x		unique identifier of the notice	PK, FK; see NOTE 1
	stn_name	A.1.e.2	X(30)		x		name of the earth station	
	ctry	A.1.e.3.a	X(3)		x		symbol of the country or geographical area in which the Earth station is located	Table 1B of the Preface
	long_deg	A.1.e.3.b	9(3)		x		degree part of longitude coordinate of the station expressed in degrees, minutes and seconds	
	long_ew	A.1.e.3.b	X		x		longitude direction indicator: East [E] or West [W]	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	long_min	A.1.e.3.b	9(2)		x		minute part of longitude coordinate of the station expressed in degrees, minutes and seconds	
	long_sec	A.1.e.3.b	9(2)		x		second part of longitude coordinate of the station expressed in degrees, minutes and seconds	
	lat_deg	A.1.e.3.b	9(2)		x		degree part of latitude coordinate of the station expressed in degrees, minutes and seconds	
	lat_ns	A.1.e.3.b	X		x		latitude direction indicator: North [N] or South [S]	
	lat_min	A.1.e.3.b	9(2)		x		minute part of latitude coordinate of the station expressed in degrees, minutes and seconds	
	lat_sec	A.1.e.3.b	9(2)		x		second part of latitude coordinate of the station expressed in degrees, minutes and seconds	
	sat_name	A.4.c.1	X(30)		x		name of the associated space station	
	long_nom	A.4.c.2	S9(3).9(2)		x		nominal longitude of the associated space station, give "-" for West, "+" for East	in degrees from -179.99 to +180.00
	attch_hor	A.7.a	9(2)		x		the attachment number of the earth station horizon elevation diagram	see NOTE 2
	elev_min	A.7.b.1	9(2).9		x		the planned minimum angle of elevation of the antenna's main beam axis, in degrees, from the horizontal plane	
	elev_max	A.7.b.2	9(2).9		x		the planned maximum angle of elevation of the antenna's main beam axis, in degrees, from the horizontal plane	
	azm_fr	A.7.c.1	9(3).9		x		value clockwise from true north for the beginning limit of an azimuthal sector expressed in degrees	
	azm_to	A.7.c.2	9(3).9		x		value clockwise from true north for the end limit of an azimuthal sector expressed in degrees	
	ant_alt	A.7.d	S9(5)		x		altitude of the earth station antenna	
	f_active	BR	X				code indicating if the station is active [A] or inactive [I] i.e.: logically suppressed	BR data
	long_dec		S9(3).9(4)				longitude in degrees with four decimals	derived data
	lat_dec		S9(2).9(4)				latitude in degrees with four decimals	derived data
	f_pfd_se	A.16.b	X		x		flag to indicate commitment that the filed system will meet the single entry power-flux density limits specified in No. 5.502	
emiss							**Emission**	
	grp_id		9(9)	x	x	x	unique identifier of the group	PK, FK; see NOTE 1
	seq_no		9(4)	x	x	x	sequence number	PK; see NOTE 1
	design_emi	C.7.a	X(9)	x	x	x	designation of emission	In the case of AP30B this item is required only for submission under Article 8
	pep_max	C.8.b.3.a	n:S9(2).9(1) p:S9(2).9(2)	x	x	30/30A	the maximum/mean value of the peak envelope power, in dBW, supplied to the input of the antenna for each carrier type	
	pwr_ds_max	C.8.b.3.b	n:S9(3).9(1) p:S9(3).9(2)	x	x	x	maximum/mean power density [dBW/Hz]	
	pep_min	C.8.c.1	S9(2).9(1)	x	x		minimum peak envelope power delivered to the antenna [dBW]	
	pwr_ds_min	C.8.c.3	S9(3).9(1)	x	x		minimum power density [dBW/Hz]	
	c_to_n	C.8.e.1	S9(2).9	x	x		C/N (total, clear sky) objective	
	pwr_ds_nbw	C.8.h	S9(3).9(2)			x	power density [dBW/Hz] averaged over the necessary bandwidth	
	pulse_length	C.16.a.1	9(7).9(2)	x			the pulse length in µs	for active sensors

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	pulse_rep	C.16.a.2	9(6).9(5)	x			the pulse repetition frequency in kHz	for active sensors
	f_emi_type	C.8.a/C.8.b	X	x			flag indicating that it is not appropriate to identify individual carriers (C.8.b)	
	attch_pep	C.8.c.2	9(2)	x	x		the attachment number providing the reason for absence of the minimum peak power	
	attch_mpd	C.8.c.4	9(2)	x	x		the attachment number providing the reason for absence of the minimum power density	
	attch_c2n	C.8.e.2	9(2)	x	x		the attachment number providing the reason for absence of the carrier-to-noise ratio	
	pwr_ds_nbc		S9(3).9(2)			30B	power density [dBW/Hz] averaged over the necessary bandwidth of a narrow bandwidth carrier	
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
ex_op_grp							**Exclusive operation group**	
	grp_id	BR	9(9)			x	unique identifier of the group	
	beamgrp_id	C.15.a	X(6)			x	beam group code	
geo							**Geostationary space station**	
	ntc_id	BR	9(9)	x		x	unique identifier of the notice	
	sat_name	A.1.a	X(30)	x		x	name of the space station	
	long_nom	A.4.a.1	S9(3).9(2)	x		x	nominal longitude of the space station, give "-" for West "+" for East	in degrees from -179.99 to +180.00
	tol_east	A.4.a.2.a	9.9(2)	x		x	value indicating the planned longitudinal tolerance East of the nominal longitude of the space station	
	tol_west	A.4.a.2.b	9.9(2)	x		x	value indicating the planned longitudinal tolerance West of the nominal longitude of the space station	
	inclin_exc	A.4.a.2.c	9(2).9(2)	x		30B	inclination excursion	
	f_active		X				code indicating if the station is active [A] or inactive [I] i.e.: logically suppressed	BR data
	f_off_axis	A.16.a	X	x			code indicating commitment regarding compliance with off-axis power limitations	
	f_pfd_lim	A.17.a	X	x			code indicating commitment of compliance with per-satellite power flux-density limit of –129 dB(W/(m² · MHz))	
	f_pfd_sep	A.16.c	X	x			commitment by administrations that the earth station associated with the filed system will meet the separation distance as specified in No. 5.509E and the power flux-density limits that are specified in No. 5.509D	
	f_esim	A.19.b	X	x			Commitment under resolves 1.5 of Resolution 156 (ESIM)	
	long_orig		S9(3).9(2)				original nominal longitude of the space station, give "-" for West "+" for East	
gpub		A.13					**Publication information for a group of assigned frequencies**	
	grp_id		9(9)	x	x	x	unique identifier of the group	PK, FK; see NOTE 1
	seq_no		9(4)	x	x	x	sequence number	PK; see NOTE 1
	pub_ref		X(12)	x	x	x	Symbol indicating the part of the WIC/IFIC or of the Circular Telegram or the Special Section of the Weekly Circular/IFIC in which the group was published	
	pub_no		9(4)	x	x	x	the number of the WIC/IFIC or of the Circular Telegram or of the Special Section of the Weekly Circular/IFIC in which the group was published	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	ssn_type		X	x	x	x	the origin of the Circular Telegram or of Special Section of the Weekly Circular/IFIC in which the group was published (N=filed by notifying administration; B=BR)	
	ssn_rev		X	x	x	x	type of revision (M, S or A)	
	ssn_rev_no		9(2)	x	x	x	revision number of special section	
	wic_no		9(4)	x	x	x	number of the WIC/IFIC in which the group was published	BR data
	d_wic		9(8)	x	x	x	the date of most recent publication of a list of assignments in the WIC/IFIC	BR data (date in yyyymmdd format)
grp							**Common data for a group of assigned frequencies**	
	grp_id		9(9)	x	x	x	unique identifier of the group	PK; see NOTE 1
	ntc_id		9(9)	x	x	x	unique identifier of the notice	FK
	emi_rcp	B.2	X	x	x	x	code identifying a beam as either transmitting [E] or receiving [R]	FK
	beam_name	B.1.a	X(8)	x	x	x	designation of the satellite antenna beam	FK
	noise_t	C.5.a	9(6)	x	x	30A/ 30B	receiving system noise temperature or the system noise temperature at the output of the signal processor (for active sensors)	
	d_rcv	BR	9(8)				date of receipt of the list of frequency assignments pertaining to the group	BR internal data
	d_prot_eff		9(8)				the date from which a list of assignments is taken into account according to provisions of the RR, as appropriate	BR data (date in yyyymmdd format)
	d_reg_limit		9(8)	x			regulatory limit date for bringing into use of a group of assignments	
	d_inuse	A.2.a	9(8)	x	x	x	date of bringing into use	date in yyyymmdd format
	f_biu		X	x			code indicating if the assignments (for notification notices only i.e. Art.11, AP30/30A#A5 and AP30B#A8) have been confirmed brought into use by the administration (C=confirmed; NULL=not confirmed)	
	fdg_reg		X(2)				findings: conformity with Radio Regulations; Table No. 13A of the Preface to the International Frequency List (13A1)	BR data
	fdg_plan		X(2)				findings: conformity with a Plan or a Coordination Procedure; Table No. 13A of the Preface to the International Frequency List (13A2)	BR data
	fdg_tex		X(2)				findings: results from technical examination; Table No. 13A of the Preface to the International Frequency List (13A3)	BR data
	area_no	C.11.a	9(2)	x			sequence number associating a particular service area diagram with the group	
	bdwdth	C.3.a/C.5.d.2	9(9)	x	x	30/30A	assigned frequency band expressed in kHz OR the bandwidth of the frequency band, in kHz, observed by the radio-astronomy station OR receiver noise bandwidth (for active sensors)	In the case of AP30B this item is required only for submission under Article 8
	freq_min		9(7).9(6)				minimum frequency in MHz (assigned frequency – half bandwidth) (of all frequencies for this group)	derived data
	freq_max		9(7).9(6)				maximum frequency in MHz (assigned frequency + half bandwidth) (of all frequencies for this group)	derived data
	polar_type	C.6.a	X(2)	x	x	30/30A	symbol indicating the type and the direction of polarization, where applicable (in case of circular or elliptical polarization)	Table 5 of the Preface
	polar_ang	C.6.b	9(3).9(2)	x	x	30/30A	in case of linear polarization the value of the angle (in degrees) measured anticlockwise in a plane normal to the beam axis from the equatorial plane to the electric vector of the wave	Table 5 of the Preface
	wic_no		9(4)				the number of the WIC/IFIC in which the list of assignments was most recently published	BR data
	wic_part		X				the part of the WIC/IFIC in which the list of assignments was most recently published	BR data
	d_wic		9(8)				the date of most recent publication of a list of assignments in the WIC/IFIC	BR data (date in yyyymmdd format)

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	adm_resp	A.3.b	X(2)	x	x	x	symbol identifying the responsible administration, Table No. 12A/12B of the Preface to the International Frequency List	In the case of AP30B this item is required only for submission under Article 8
	op_agcy	A.3.a	9(3)	x	x	x	operating agency number, Table No. 12A/12B of the Preface to the International Frequency List	In the case of AP30B this item is required only for submission under Article 8
	d_rcv_start		9(8)	x			date of receipt of the corresponding notices published in API/A or AP30*/E Part A or AP30B/A6A	
	prov		X(12)				provision of the RR according to which the group is submitted	
	plan_status		X(4)			30B	status of entries (either assignments = LIST or allotments = PLAN)	
	reg_op_fr	A.11.a	9(4)			30/30A	start of regular hours of reception expressed in UTC	
	reg_op_to	A.11.b	9(4)			30/30A	end of regular hours of reception expressed in UTC	
	f_ap30b_art6	A.19.a	X			30B	a commitment that the use of assignment shall not cause unacceptable interference to, nor claim protection from, those assignments for which agreement still need to be obtained (§6.25 of Art. 6 of App 30B)	
	f_cost_rec		X				flag to indicate that the group of frequency assignments is subject to cost recovery	BR internal data
	sr_type	B.1.d.1	X	x			symbol indicating the type of the sensor A - active, P - passive	
	page_no		9(4)	x	x		page number on the paper notice	
	act_code		X	x	x	x	code indicating the action to be taken on the entity	see NOTE 3
	prd_valid	A.2.b	9(2)	x			period of validity in years	
	remark		X(100)	x	x		symbols used as indicated in Table No. 13C	
	tgt_grp_id		9(9)	x	x		unique identifier of the group to be modified	see NOTE 1
	pwr_max	C.8.d.1 / C.8.g.1	S9(2).9(1)	x			maximum total peak envelope power in dBW or maximum aggregate power in dBW supplied to the input of the antenna	
	bdwdth_aggr	C.8.d.2 / C.8.g.2	9(6)	x			the contiguous bandwidth of the satellite transponder or the aggregate bandwidth of all carriers (per transponder, if applicable) supplied to the input of the transmitting antenna of the earth station	
	f_trp_band	C.8.g.3	X				an indicator showing whether the bandwidth of the transponder corresponds to the aggregate bandwidth of all carriers (per transponder, if applicable) supplied to the input of the transmitting antenna of the earth station	
	observ_cls	C.13.a	X(2)				class of observation	for radio astronomy
	d_upd		9(8)				the date of update of a list of assignments in the SNS (Master Register and Requests for Coordination)	BR data (date in yyyymmdd format)
	st_cur	BR	X(2)				the status of this frequency assignment group	
	d_st_cur	BR	9(8)				the date of entry into this status for this frequency assignment group	
	fdg_observ		X(10)				findings: remarks concerning the findings entered in Column 13A; Table No. 13B of the Preface to the International Frequency List (13B2)	BR data
	spl_grp_id		9(9)				Split group id	BR data
	comment		X(30)				comments	BR internal use
	elev_min	A.4.b.7.cbis / C.13.c	S9(3).9(2)	x		x	minimum elevation angle at which any associated earth station can transmit to a non-geostationary satellite or minimum elevation angle at which the radio astronomy station conducts single-dish or VLBI observations	
	gso_sep	A.14.b.5	9(2).9(2)	x			minimum separation angle between the geostationary satellite orbit arc and the associated earth station main beam-axis at which the associated earth station can transmit towards a non-geostationary satellite	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	srv_code		X(6)				generic code indicating the space service type for the list of frequency assignments of the group	
	f_no_intfr		X	x	x		code indicating compliance with Article 4.4 of the Radio Regulations	
	plan_categ		X(4)			30B	symbol indicating the category of the group of assignments or allotments within its status	BR internal data
	pfd_pk_7g	B.4.b.5	S9(3).9(1)	x			calculated peak value of power-flux density produced within +/- 5 degrees inclination of the geostationary-satellite orbit	
	ra_stn_type	C.13.b	X				the type of radio-astronomy station in the frequency band shown under C.3.b (S - for single dish, V - for very long baseline interferometry (VLBI))	for radio astronomy
	eirp_nom	C.8.f.1/C.8.f.2	S9(2).9(1)	x			space station's nominal equivalent isotropically radiated power(s) (e.i.r.p) on the beam axis	required only for a space-to-space link
	sensitivity	C.16.b.1	9(3).9(2)	x			sensitivity threshold, in kelvins	for passive sensors
	d_inuse_submitted	A.2.a	9(8)	x			The date of bringing into use as submitted by the administration in the first notice for recording of the assignment	
	f_diff_reg_limit		X	x			indicator to show that a group contain assignment(s) with different regulatory limit	BR internal data
	f_1143a	BR	X	x			flag to indicate modification request under 11.43A	
	d_first_ntf		9(8)				date of the first notification	BR data (date in yyyymmdd format)
	f_no_comment		X				flag to indicate whether commenting period is re-open. Flag is empty in normal case (commenting period is opened) and set to 'Y' when the period is not reopened.	BR internal data
	f_nfd_lnk	BR	X	x			indicator that the group is for use in accordance with Resolution 163/164 in the 14.5-14.8 GHz band (not for feeder link for the BSS)	
	prv_pub_grp_id		9(9)				group ID previously Published in part 3 (used for resubmission)	BR internal data
	f_sa_change		X				code indicating that the service area diagram has been modified	
	f_fdg_reqd		X				code indicating if finding is required	BR internal data
	cmp_grp_id		9(9)				grp_id of the second group if two groups are compared	BR internal data
	f_cmp_str		X				code indicating if two structures compared are equal [E], have basic differences [B], have non-basic differences [N] or the second structure is not found [X]	BR internal data
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
	f_cmp_freq		X				code indicating if two lists of frequencies compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_emi		X				code indicating if two lists of emissions compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_eas		X				code indicating if two lists of associated earth stations compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	f_cmp_prov		X				code indicating if two lists of provisions compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of provisions is not found [X]	BR internal data
	f_cmp_sas		X				code indicating if two lists of associated space stations compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_gpub		X				code indicating if two lists of notified publications compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_fdg		X				code indicating if two lists of finding references compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
grp_lnk							**Group link**	
	grp_id		9(9)				unique identifier of the grp	PK
	lnk_grp_id		9(9)				unique identifier of the linked grp	PK
	ntc_id		9(9)				unique identifier of the notice	
	lnk_ntc_id		9(9)				unique identifier of the linked notice	
	ntf_rsn		X				notification reason - see "notice" table	
	lnk_ntf_rsn		X				notification reason of the linked notice. Refer to ‘notice’ table.	
grp_res35							**Information for a group of assigned frequencies under Resolution 35**	
	grp_id	BR	9(9)				unique identifier of the group	PK; FK
	ms_step		X(2)	x			RES 35 milestone indicator	BR internal data
	f_ms_met		X	x			RES 35 milestone criteria indicator	BR internal data
	d_ms_next_deadline		9(8)	x			Deadline of the next RES35 milestone	BR internal data
hor_elev							**Horizon elevation diagram**	see NOTE 2
	ntc_id		9(9)		x		unique identifier of the notice	PK, FK; see NOTE 1
	azm	A.7.a	9(3).9		x		azimuth in degrees measured clockwise from true north for which the horizon elevation is given in the data-item “elev_ang”	PK
	elev_ang	A.7.a.1	S9(2).9		x		elevation angle in degrees of the horizon in the azimuth given in data-item “azm”	
	hor_dist	A.7.a.2	9(2).9		x		distance in km from the earth station to the horizon in the azimuth given in data-item “azm”	
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
mask_info							**Mask information**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK
	mask_id	A.14.a.1 / A.14.b.1 / A.14.c.1	9(9)	x			unique identifier of the mask	PK
	freq_min	A.14.a.2 / A.14.b.2 / A.14.c.2	9(7).9(6)	x			the lowest frequency for which the mask is valid [GHz]	
	freq_max	A.14.a.3 / A.14.b.3 / A.14.c.3	9(7).9(6)	x			the highest frequency for which the mask is valid [GHz]	
	f_mask		X	x			flag indicating if the mask type is eirp for the space station [S], eirp for the associated earth station [E] or pfd at the space station [P]	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	f_mask_type		X	x			flag indicating the type of the pfd mask	
mask_lnk1							**Link between mask, group and satellite of a non-geostationary system**	
	grp_id		9(9)	x			unique identifier of the group	PK, FK; see NOTE 1
	seq_no		9(4)	x			sequence number of the mask	PK
	ntc_id		9(9)	x			unique identifier of the notice	FK
	orb_id		9(4)	x			sequence number of the orbital plane	FK
	sat_orb_id		9(4)	x			sequence number of the satellite in the orbital plane	FK
	mask_id	A.14.a.1 / A.14.b.1 / A.14.c.1	9(9)	x			unique identifier of the mask	FK
mask_lnk2							**Link between mask, associated earth station and satellite of a non-geostationary system**	
	grp_id		9(9)	x			unique identifier of the group	PK, FK; see NOTE 1
	seq_no		9(4)	x			sequence number of the mask	PK
	seq_e_as		9(4)	x			sequence number of the associated earth station	PK, FK; see NOTE 1
	ntc_id		9(9)	x			unique identifier of the notice	FK
	orb_id		9(4)	x			sequence number of the orbital plane	FK
	sat_orb_id		9(4)	x			sequence number of the satellite in the orbital plane	FK
	mask_id	A.14.a.1 / A.14.b.1 / A.14.c.1	9(9)	x			unique identifier of the mask	FK
mask_lnk3							**System operating parameters identification for Rec. S.1503-3**	
	ntc_id		9(9)	x			Unique identifier of the notice	PK, FK; see NOTE 1
	param_id		9(4)	x			Unique identifier of the system operating parameters	PK; see NOTE 1
mod_char							**General characteristics of the emission**	
	grp_id		9(9)				unique identifier of the group	PK, FK; see NOTE 1
	seq_emiss		9(4)				sequence number of the characteristics	PK; see NOTE 1
	i_mod_typ	C.9.a.1	9(4)			x	the type of modulation	
	freq_low	C.9.a.2.a	9(6).9(6)				the lowest frequency of the baseband	
	freq_hi	C.9.a.2.b	9(6).9(6)				the highest frequency of the baseband	
	freq_dev	C.9.a.2.c	9(6).9(6)				the r.m.s. frequency deviation of the pre-emphasized signal for a test tone as a function of baseband frequency	
	freq_dev_tv	C.9.a.3.a	9(6).9(6)			30/30A	the peak-to-peak frequency deviation of the pre-emphasized signal (television)	
	i_pre_emph	C.9.a.3.b	9(4)			30/30A	the pre-emphasis characteristics for a carrier frequency modulated by a television signal (TV)	
	i_mplx_typ	C.9.a.3.c	9(4)			30/30A	the characteristics of the multiplexing of the video signal with sound signal(s) or other signal(s) (TV)	
	bit_rate	C.9.a.4.a	9(4)				the bit rate for a carrier phase-shift modulated by a digital signal	
	nbr_phase	C.9.a.4.b	9(4)				the number of phases for a carrier phase-shift modulated by a digital signal	
	attch_sig	C.9.a.5.a	9(4)				number of the attachment indicating the nature of modulating signal for an amplitude modulated carrier	
	ampl_mod	C.9.a.5.b	X				the kind of amplitude modulation used	
	freq_dev_fm	C.9.a.6.a	9(6).9(6)			30/30A	the peak-to-peak frequency deviation, in MHz, of the energy dispersal waveform for frequency modulation	
	freq_swp	C.9.a.6.b	9(6).9(6)			30/30A	the sweep frequency (kHz) of the energy dispersal waveform	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	i_nrgy_dsp	C.9.a.6.c	9(4)			30/30A	the energy dispersal waveform	
	i_nrgy_dsp_typ	C.9.a.7	9(4)			x	the type of energy dispersal, if other forms of modulation than FM are used	
	attch_mod	C.9.a.8	9(4)				attachment indicating for all other types of modulation, such particulars as may be useful for an interference study	
	i_tv_sys	C.9.a.9	9(4)				TV system	
	i_sound_bc	C.9.b.1	9(4)			30/30A	sound broadcasting characteristics for analogue carriers	
	i_baseband	C.9.b.2	9(4)			30/30A	the composition of the baseband for an analogue carrier	
	range_agc	A.12	9(3).9(2)			30A	the range of automatic gain control, in dB	
ngma							**Link-noise/transmission gain for one or more straps**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	ngma_id	D.2	9(4)	x			identifier for a given set of equivalent satellite link noise temperature (ESLNT) and transmission gain values (gamma)	PK; see NOTE 1
	act_code	D.2	X	x			code indicating the action to be taken on the entity	see NOTE 3
	strp_id_fr	D.2	9(4)	x			lower limit of the range of strap serial numbers	
	strp_id_to	D.2	9(4)	x			upper limit of the range of strap serial numbers	
	noise_t_lo	D.2.a.1	9(8)	x			lowest value of equivalent satellite link noise temperature (ESLNT) associated with the strap	
	gain_as_lo	D.2.a.2	S9(2).9(1)	x			value of transmission gain (gamma) associated with the value of ESLNT given above	
	noise_t_hr	D.2.b.1	9(8)	x			value of equivalent satellite link noise temperature for highest ratio of transmission gain to ESLNT associated with the strap	
	gain_as_hr	D.2.b.2	S9(2).9(1)	x			value of transmission gain (gamma) associated with the value of ESLNT given above	
	stn_name	D.2	X(30)	x			name of the receiving earth station	
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
non_geo							**Non-geostationary space station**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	sat_name	A.1.a	X(30)	x			name of the satellite	
	ref_body	A.4.b.2	X	x			code for the reference body about which the satellite orbits	Table 8 of the Preface
	nbr_sat_nh	A.4.b.3.a	9(3)	x			the maximum number of space stations in the non-geostationary-satellite system simultaneously transmitting on a co-frequency basis on the Northern Hemisphere	
	nbr_sat_sh	A.4.b.3.b	9(3)	x			the maximum number of space stations in the non-geostationary-satellite system simultaneously transmitting on a co-frequency basis on the Southern Hemisphere	
	nbr_plane	A.4.b.1	9(4)	x			number of non-geostationary orbital planes	
	nbr_sat_td	A.4.b.7.a	9(4)	x			maximum number of co-frequency tracked non-geostationary satellites receiving simultaneously	
	density	A.4.b.7.b	9.9(12)	x			average number of associated earth stations transmitting with overlapping frequencies per km² in a cell	
	avg_dist	A.4.b.7.c	9(4).9	x			average distance between co-frequency cells in kilometers	
	f_x_zone	A.4.b.7.d.1	X	x			flag indicating the type of zone: if the exclusion zone angle is the angle alpha [Y] or the angle X [N]	
	x_zone	A.4.b.7.d.2	9(2).9	x			width of the exclusion zone in degrees	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	f_epfd	A.15.a	X	x			code indicating commitment regarding compliance with additional operational epfd	
	f_active		X				code indicating if the station is active [A] or inactive [I] i.e.: logically suppressed	BR data
	f_pfd_lim	A.17.a	X	x			code indicating commitment of compliance with per-satellite power flux-density level of –129 dB(W/(m² · MHz))	BR data
	f_sdm	A.1.g	X	x			indicator showing that the non-geostationary-satellite system is planned to be operated in accordance with Resolution 32	
	f_constell	A.4.b.1.a	X	x			indicator of whether the non-geostationary-satellite system represents a "constellation"	
	multi_config_type	A.4.b.1.b	X	x			indicator of whether all the orbital planes identified under A.4.b.1 describe a) a single configuration where all frequency assignments to the satellite system will be in use [S] or b) multiple configurations that are mutually exclusive [M]	
	nbr_config	A.4.b.1.c	9(2)	x			the number of sub-sets of orbital characteristics that are mutually exclusive	
	examset_type	A.4.b.6bis	X	x			indicator showing whether the set of operating parameters is limited set [L] or extended set [E]	
	attch_qv		9(2)	x			attachment number for demonstration of compliance that the NGSO FSS system complies with the limits given in No. 22.5L, in accordance with Resolves 3 of Res 770 (WRC-19)	
notice							**General information for the notice**	
	ntc_id		9(9)	x	x	x	unique identifier of the notice	PK; see NOTE 1
	prov		X(12)	x	x	x	provision of the RR according to which the notice is submitted	
	plan_id		X(4)				identifier of the plan	BR internal use
	adm	A.1.f.1	X(3)	x	x	x	country symbol of the notifying administration	
	ntwk_org		X(3)	x	x	x	symbol of the organization operating regional or international satellite networks (Table 2 of the Preface to the International Frequency List)	
	ntf_occurs		X	x	x	x	code indicating if the notice was intended for first [F] submission or for satellite in non-planned bands, one of the following types of resubmission: [S] Resubmission of a Satellite Network with no coordination status update [A] Resubmission of a Satellite Network with coordination status update with affected administrations only [M] Resubmission of a Satellite Network (GSO only) with coordination status update with affected administrations and List of affected satellite networks [L] Resubmission of a Satellite Network (GSO only) with indication of the List of coordination status of affected satellite networks only or [R] for all other types of resubmission (e.g. earth stations, cases not covered by above). For Article 4 of Appendices 30 and 30A, the code [A] indicates a proposed addition/modification to the Plan/List, [P] indicates entered into the relevant Plan/List, [Q] indicates existing system, [R] indicates provisionally entered in the Plan/List, [V] indicates a pending network under coordination	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	ntf_rsn		X				code indicating that the notice has been submitted under RR1488 [N], RR1060 [C], RR1107 [D], 9.1 [A], 9.6 [C], 9.7A [C], 9.17 [D], 9.21 [C], 11.2 [N], 11.12 [N], AP30/30A-Articles 2A & 4 [B], AP30/30A-Article 5 [N], AP30B-Articles 6 & 7 [P], AP30B-Article 8 [N] or Res49 [U]	derived data
	st_cur		X(2)				processing status of the notice	BR internal use
	f_aa_type		X				flag indicating assignment/allotment type (plan/list, etc.)	BR data
	act_code		X	x	x	x	code indicating the action to be taken on the entity	see NOTE 3
	d_rcv		9(8)				date of receipt of the notice	BR data (date in yyyymmdd format)
	wic_no		9(4)				the number of the WIC/IFIC in which the notice was most recently published	BR data
	wic_part		X				the part of the WIC/IFIC in which the notice was most recently published	BR data
	d_wic		9(8)				the date of most recent publication of the notice in the WIC/IFIC	BR data (date in yyyymmdd format)
	f_adm_proxi	A.1.f.2	X	x		x	flag indicating that administration is notifying on behalf of other administrations	
	ntc_type		X	x	x	x	code indicating if the notice is of a geostationary satellite [G], non-geostationary satellite [N], specific earth station [S], typical earth station [T] or radio astronomy station [R]	
	adm_ref_id		X(20)	x	x	x	reference identifier of the notice given by the notifying administration	not mandatory, not used by BR
	d_adm		9(8)	x	x	x	the date of the notice given by the notifying administration	not mandatory, not used by BR
	tgt_ntc_id		9(9)	x	x	x	identifier of the notice to be modified or suppressed	see NOTE 1
	f_int_ext		X				code indicating if the notice is internal [I], external [E], administration withdrawal [W], BR withdrawal [Z] or resubmitted [R]	BR internal use
	d_st_cur		9(8)				date of entry of the notice into the current processing status	BR internal use (date in yyyymmdd format)
	st_prv		X(2)				previous processing status of the notice	BR internal use
	d_upd		9(8)				the date of update of a notice in the SNS	BR internal use (date in yyyymmdd format)
	f_basic		X				code indicating basic modifications	BR internal use
	f_spl		X				code indicating if the notice was split	BR internal use
	spl_ntc_id		9(9)				identifier of the notice created as a result of the split	BR internal use
	ntwk_pack		X(4)				network package identifier	
	f_mod_type		X				flag used to indicate that the filing was created using Wizards provided in SpaceCap (API, DBIU, RS49)	
	f_val_cat		X				Flag indicating validation category	BR internal data
	cmp_ntc_id		9(9)				code indicating the ntc_id of the second network/earth station beam if two networks/earth stations are compared	
	f_cmp_str		X				code indicating if two structures compared are equal [E], have basic differences [B], have non-basic differences [N] or the second structure is not found [X]	BR internal data
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
	f_cmp_orb		X				code indicating if two lists of orbit records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	f_cmp_strp		X				code indicating if two lists of straps compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_ngma		X				code indicating if two lists of noise-gamma records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_hori		X				code indicating if two lists of horizon elevation records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_elev		X				code indicating if two lists of antenna elevation records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_pfd		X				code indicating if two lists of pfd compliance records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cmp_oper		X				code indicating if two lists of non-geostationary satellite records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list of records is not found [X]	BR internal data
	f_cfex		X				code indicating the result of check for existing processing	BR internal data
	f_val		X				code indicating the result of validation processing	BR internal data
	f_mod		X				code indicating that data was modified	BR internal data
	f_aes_char	A.18.a	X	x			flag to indicate commitment regarding characteristics of aircraft earth station	
	prov_desc		X(20)				additional information to specify the exact provision	
	f_partial_sup		X				flag to indicate partial suppression	BR internal data
ntc_commit							**Commitments**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	commit_type		X(30)	x			commitment type code	PK; see NOTE 7
ntc_memo							**Comments / Remarks (Resolution 49 and API only)**	
	ntc_id		9(9)				unique identifier of the notice	PK
	adm_remark		X(255)				remarks made by the administration	
	br_comment		X(255)				BR comments	
orbit							**Orbital plane of a non-geostationary satellite**	
	ntc_id	BR	9(9)	x			unique identifier of the notice	PK; see NOTE 1
	orb_id		9(4)	x			sequence number of the orbital plane	PK
	nbr_sat_pl	A.4.b.4.b	9(4)	x			number of satellites per non-geostationary orbital plane	
	act_code		X	x			Action code for orbital plane which is subject to addition, modification, or suppression	see NOTE 3
	orbit_set_id	A.4.b.1.d	9(4)	x			Identifier of the orbital configuration subset to which this orbital plane belongs	
	right_asc	A.4.b.4.g	9(3).9(2)	x			angular separation in degrees between the ascending node and the vernal equinox	if 9.11A applies
	inclin_ang	A.4.b.4.a	9(3).9(2)	x			inclination angle of the satellite orbit with respect to the Earth's equatorial plane	
	prd_ddd	A.4.b.4.c.1	9(3)	x			day part of time elapsing between two consecutive passages of a non-geostationary satellite through a point in its orbit	
	prd_hh	A.4.b.4.c.2	9(2)	x			hour part of time elapsing between two consecutive passages of a non-geostationary satellite through a point in its orbit	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	prd_mm	A.4.b.4.c.3	9(2)	x			minute part of the time elapsing between two consecutive passages of a non-geostationary satellite through a point in its orbit	
	apog	A.4.b.4.d	9(5).9(2)	x			the farthest altitude of the non-geostationary satellite above the surface of the Earth or other reference body - expressed in kilometers	distances > 99999 km are expressed as a product of the values of the fields “apogee” and “apog_exp” (see below) e.g.: 125 000 =1.25*10e5
	apog_exp	A.4.b.4.d	9(2)	x			exponent part of the apogee expressed in power of 10	to indicate the exponent; give 0 for 10°, 1 for 10^{1}, 2 for 10^{2}, etc.
	perig	A.4.b.4.e	9(5).9(2)	x			the nearest altitude of the non-geostationary satellite above the surface of the Earth or other reference body – expressed in kilometers	distances > 99999 km are expressed as a product of the values of the fields “perigee” and “perig_exp” (see below) e.g.: 125 000 =1.25*10e5
	perig_exp	A.4.b.4.e	9(2)	x			exponent part of the perigee expressed in power of 10	to indicate the exponent; give 0 for 10°, 1 for 10^{1}, 2 for 10^{2}, etc.
	perig_arg	A.4.b.4.i	9(3).9	x			angular separation (in degrees) between the ascending node and the perigee of an elliptical orbit.	If 9.11A applies
	op_ht	A.4.b.4.f	9(5).9(2)	x			minimum altitude of the space station above the surface of the Earth at which any satellite transmits	distances > 99999 km are expressed as a product of the values of the fields “op_ht” and “op_ht_exp” (see below) e.g.: 125 000 =1.25*10e5
	op_ht_exp	A.4.b.4.f	9(2)	x			exponent part of the minimum altitude expressed in power of 10	to indicate the exponent; give 0 for 10°, 1 for 10^{1}, 2 for 10^{2}, etc.
	f_stn_keep	A.4.b.6.c	X	x			flag indicating if the space station uses [Y] or does not use [N] station-keeping to maintain a repeating ground track	
	rpt_prd_dd	A.4.b.6.d	9(3)	x			day part of constellation repeat period (s)	
	rpt_prd_hh	A.4.b.6.d	9(2)	x			hour part of constellation repeat period (s)	
	rpt_prd_mm	A.4.b.6.d	9(2)	x			minute part of constellation repeat period (s)	
	rpt_prd_ss	A.4.b.6.d	9(2)	x			second part of constellation repeat period (s)	
	f_precess	A.4.b.6.e	X	x			flag indicating if the space station should [Y] or should not [N] be modeled with specific precession rate of the ascending node of the orbit instead of the J2 term	
	precession	A.4.b.6.f	9(3).9(2)	x			for a space station that is to be modeled with specific precession rate of the ascending node of the orbit instead of the J2 term, the precession rate in degrees/day measured counter-clockwise in the equatorial plane	
	long_asc	A.4.b.4.j	9(3).9(2)	x			longitude of the ascending node for the jth orbital plane measured counter-clockwise in the equatorial plane from the Greenwich meridian to the point where the satellite orbit makes its south-north crossing of the equatorial plane ($0^{\circ} <= \Theta j < 360^{\circ}$)	
	keep_rnge	A.4.b.6.j	9(2).9	x			longitudinal tolerance of the longitude of the ascending node	
	f_sunsynch	A.4.b.4.m	X	x			indicator of whether the space station uses sun-synchronous orbit or not	
	lt_type	A.4.b.4.n	X	x			indicator of whether the space station references the local time of the ascending node [A] or the descending node [D]	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	lt_ref	A.4.b.4.o	9(6)	x			the local time of the ascending or descending (per A.4.b.n) node in hhmmss format	
	f_inuse	BR	X	x			Identification of the orbital plane number under Nos 11.44C,D	
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
	f_cmp_pha		X				code indicating if two lists of phase records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second list is not found [X]	BR internal data
orbit_lnk							**table to link a non-geostationary space station antenna with the orbital plane**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	emi_rcp	B.2	X	x			code identifying a beam as either transmitting [E] or receiving [R]	PK, FK
	beam_name	B.1.a	X(8)	x			designation of the satellite antenna beam	PK, FK
	orb_id	B.4.a.1	9(4)	x			identifying sequence number of the orbital plane	PK, FK
	f_all_sat		X	x			code indicating that the beam operates with all satellites in the orbital plane	
ovrl_epm							**Overall equivalent protection margin – Appendix 30/30A Region 2**	
	grp_id_up		9(9)			30/30A	unique identifier of the group uplink	PK, FK; see NOTE 1
	grp_id		9(9)			30/30A	unique identifier of the group downlink	PK, FK
	seq_e_as_dn		9(4)			30/30A	sequence number of the earth associated station	PK, FK
	seq_asn_up		9(4)			30/30A	sequence number of the frequency assignment uplink	PK, FK
	seq_asn_dn		9(4)			30/30A	sequence number of the frequency assignment downlink	PK, FK
	seq_emi_up		9(4)			30/30A	sequence number of the emission uplink	PK, FK
	seq_emi_dn		9(4)			30/30A	sequence number of the emission downlink	PK, FK
	oepm		S9(3).9(3)			30/30A	overall equivalent protection margin in dB	
phase							**Initial phase angle of a non-geostationary satellite in an orbital plane**	
	ntc_id		9(9)	x			unique identifier of the notice	PK; see NOTE 1
	orb_id		9(4)	x			sequence number of the orbital plane	PK
	orb_sat_id		9(4)	x			satellite sequence number in the orbital plane	PK
	phase_ang	A.4.b.4.h	9(3).9(2)	x			initial phase angle of the satellite in the orbital plane	if 9.11A applies
	d_ref	A.4.b.4.k	9(8)	x			the date (yyyymmdd) at which the satellite is at the location defined by the longitude of the ascending node	
	t_ref	A.4.b.4.l	9(6)	x			the time (hhmmss) at which the satellite is at the location defined by the longitude of the ascending node	
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
pl_strap							**Connection between uplink and downlink beams/frequencies (plans) 30/30A for Region 2 and for Plan 30B**	
	ntc_id		9(9)			X	unique identifier of the notice	PK
	freq_dn	D.1.a.4	9(6).9(5)			X	assigned frequency of the downlink forming part of the strap	PK
	freq_up	D.1.a.3	9(6).9(5)			X	assigned frequency of the uplink forming part of the strap	PK
	grp_id_dn		9(9)			X	unique identifier of the downlink group forming part of the strap	PK
	grp_id_up		9(9)			X	unique identifier of the uplink group forming part of the strap	PK
	pbeam_name		X(8)			X	designation of the satellite antenna beam (plan)	
	multibeam_set		9(4)			X	Multibeam code	
	exop_set		9(4)			X	Exclusive operation code	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	f_victim_op		X			X	'Y' for old historical victims, not mentioned in the RR (no relation with Art.6 part A), 'N' for the rest. (No 'new' victims are expected to be added in the future.)	
	agg_tolerance		9.9(2)			X	0.05 dB for assignments stemming from conversion without modification or conversion with modification which is within the envelope characteristics of the initial allotment; NULL for the rest (BR software will apply 0.05 dB for assignments in the Plan and 0.25 dB for others)	
provn							**coordination information**	
	grp_id		9(9)	x	x		unique identifier of the group	PK, FK; see NOTE 1
	coord_prov	A5/A6	X(20)	x	x		reference to provision of the RR, Appendix or Resolution	PK; see NOTE 1
	agree_st		X	x	x		code indicating if the coordination or agreement has been obtained [O] or requested [R]	PK
	seq_no		9(4)	x	x		sequence number	PK
	coord_st		X				code indicating the result of the coordination process	
	adm		X(3)	x	x		country symbol of the notifying administration	Table 1A of the Preface
	ntwk_org		X(3)	x	x		symbol of the organization operating regional or international satellite networks (Table 2 of the Preface to the International Frequency List)	
	ctry		X(3)				country or geographical area	
	f_no_comment		X				flag to indicate whether commenting period is re-opened. Flag is empty in normal case (commenting period is opened) and set to 'Y' when the period is not reopened.	BR internal data
pwr_ctrl							**Power control information**	
	grp_id		9(9)				unique identifier of the group	PK, FK; see NOTE 1
	seq_assgn		9(4)				sequence number of the frequency assignment	PK, FK; see NOTE 1
	seq_emiss		9(4)				sequence number of the emission	PK, FK; see NOTE 1
	pwr_ctrl	C.8.i	9(4).9			30A	power control	
res35_deploy							**RES 35 deployment summary**	
	ntc_id	BR	9(9)				unique identifier of the RES 35 notice. Refer to ‘res35_notice’ table	PK;FK see NOTE 1
	freq_notif_id	BR	9(4)				unique identifier of the frequency band	
	nbr_sat_pl	A.4.b.4.b	9(4)				number of satellites per notified orbital plane	
	freq_min_mhz		9(7).9(6)				lower bound of the frequency range for the deployed satellites	
	freq_max_mhz		9(7).9(6)				upper bound of the frequency range for the deployed satellites	
	nbr_sat_deployed	RES35.A1.A5	9(4)				total number of space stations deployed into each notified orbital plane and frequency range	
	percentage	BR	9(2).9(2)				percentage of deployed satellites per notified orbital plane and frequency range	
res35_freq							**RES 35 space station frequency characteristics**	
	ntc_id	BR	9(9)				unique identifier of the RES 35 notice. Refer to ‘res35_notice’ table	PK;FK see NOTE 1
	launch_id		9(4)				unique identifier of the RES 35 launch. Refer to ‘res35_launch’ table	PK;FK
	station_id		9(4)				unique identifier of the RES 35 space station. Refer to ‘res35_sp_stn’ table	PK;FK
	freq_id		9(4)				unique identifier of the RES 35 space station transmit or receive frequency range	PK
	freq_min_mhz	RES35.A1.C1	9(7).9(6)				lower bound of the frequency range for the space station transmit or receive frequency range	
	freq_max_mhz	RES35.A1.C1	9(7).9(6)				upper bound of the frequency range for the space station transmit or receive frequency range	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
res35_launch							**RES 35 launch information**	
	ntc_id	BR	9(9)				unique identifier of the RES 35 notice. Refer to 'res35_notice' table	PK;FK see NOTE 1
	launch_id		9(4)				unique identifier of the RES 35 launch	PK
	lsp_name	RES35.A1.B1	X(20)				name of the launch vehicle provider	
	vehicle	RES35.A1.B2	X(20)				name of the launch vehicle	
	facility	RES35.A1.B3	X(20)				name of the launch facility	
	ctry		X(3)				symbol of the country or geographical area in which the launch facility is located	derived data
	long_dec	RES35.A1.B3	S9(3).9(4)				longitude coordinate of the launch facility in degrees	derived data
	lat_dec	RES35.A1.B3	S9(2).9(4)				latitude coordinate of the launch facility in degrees	derived data
	d_launch	RES35.A1.B4	9(8)				launch date	
res35_notice							**RES 35 satellite system information**	
	ntc_id	BR	9(9)				unique identifier of the RES 35 notice	PK; see NOTE 1
	prov		X(12)				provision of the RR according to which the notice is submitted	
	adm	RES35.A1.A2	X(3)				country symbol of the notifying administration	
	ntwk_org	RES35.A1.A3	X(3)				symbol of the organization operating regional or international satellite networks (Table 2 of the Preface to the International Frequency List)	
	sat_name	RES35.A1.A1	X(30)				name of the satellite system	
	d_rcv	BR	9(8)				date of receipt of the notice	BR data (date in yyyymmdd format)
	ms_step		X(2)				RES 35 milestone indicator	
	wic_no		9(4)				the number of the WIC/IFIC in which the notice was most recently published	BR data
	d_wic		9(8)				the date of most recent publication of the notice in the WIC/IFIC	BR data (date in yyyymmdd format)
	ssn_ref		X(12)				symbol indicating the Special Section of the Weekly Circular / IFIC	
	ssn_no		9(4)				number of the Special Section	
	ssn_rev		X				type of revision (M or A)	
	ssn_rev_no		9(2)				revision number of special section	
res35_ntc_lnk							**RES 35 Notice link**	
	ntc_id	BR	9(9)				unique identifier of the RES 35 notice. Refer to 'res35_notice' table	PK;FK see NOTE 1
	lnk_ntc_id	RES35.A1.A4	9(9)				unique identifier of the linked notice. Refer to 'notice' table	PK;FK
	lnkntf_rsn	RES35.A1.A4	X				notification reason of the linked notice. Refer to 'notice' table	PK;FK
res35_sp_stn							**RES 35 space station characteristics**	
	ntc_id	BR	9(9)				unique identifier of the RES 35 notice. Refer to 'res35_notice' table	PK;FK see NOTE 1
	launch_id		9(4)				unique identifier of the RES 35 launch. Refer to 'res35_launch' table	PK;FK
	station_id		9(4)				unique identifier of the RES 35 space station	PK
	orb_id	RES35.A1.A6	9(4)				orbital plane number indicated in the latest notification information (refer to 'orbit' table)	FK
	sp_stn_name	RES35.A1.C3	X(30)				name of the space station	
	apog_km	RES35.A1.C2	9(5).9(2)				orbital characteristics of the space station (altitude of the apogee in kilometers)	
	perig_km	RES35.A1.C2	9(5).9(2)				orbital characteristics of the space station (altitude of the perigee in kilometers)	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	inclin_ang	RES35.A1.C2	9(3).9(2)				orbital characteristics of the space station (inclination in degrees)	
	perig_arg	RES35.A1.C2	9(3).9				orbital characteristics of the space station (argument of the perigee in degrees)	If 9.11A applies
res49_sel							**Resolution 49 download table**	data downloaded from SNS for filing RS49
	grp_id		9(9)				group id number	
	sat_name	A.1.a	X(30)				name of the space station	
	long_nom	A.4.a.1	S9(3).9(2)				nominal longitude of space station	
	ntf_rsn		X				notification reason - see "notice" table	
	adm	A.1.f.1	X(3)				notifying administration	
	ntwk_org	A.1.f.3	X(3)				intergovernmental satellite organization	
	d_inuse	A.2.a	9(8)				date of bringing into use	
	ntc_id		9(9)				BR notice id of the filing	
	st_cur		X(2)				processing status of the filing	
	d_prot_eff		9(8)				date of protection of the frequency group	
	freq_min		9(7).9(6)				lower bound of the frequency range for the group	
	freq_max		9(7).9(6)				upper bound of the frequency range for the group	
	wic_no		9(4)				IFIC publication number of the group	
	d_wic		9(8)				date of the IFIC publication	
	act_code		X				action-code	
	emi_rcp	B.2	X				satellite beam emission/reception code	
	beam_name	B.1.a	X(8)				satellite beam designation	
	ntc_type		X				type of notice indicator (G, N)	
	d_reg_g		9(8)				end of the regulatory period	based on API filing or d_rev field in table fdg_rev
s_as_stn							**Space associated station**	
	grp_id		9(9)	x			unique identifier of the group	PK, FK; see NOTE 1
	sat_name	C.10.a.1	X(30)	x			name of the associated space station	PK
	beam_name		X(8)	x			designation of the associated satellite antenna beam	PK
	act_code		X	x			code indicating the action to be taken on the entity	see NOTE 3
	stn_type	C.10	X	x			type of the associated space station: geostationary [G] or non-geostationary [N]	
	long_nom	C.10.a.2	S9(3).9(2)	x			nominal longitude of the associated space station, if geostationary; give "-" for West "+" for East	in degrees from -179.99 to +180.00
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
s_beam							**satellite antenna beam**	
	ntc_id		9(9)	x		x	unique identifier of the notice	PK, FK; see NOTE 1
	emi_rcp	B.2	X	x		x	code identifying a beam as either transmitting [E] or receiving [R]	PK
	beam_name	B.1.a	X(8)	x		x	designation of the satellite antenna beam	PK
	beam_old		X(8)	x			previous designation of the satellite antenna beam	if the designation of the beam is to be changed
	f_steer	B.1.c	X	x			code indicating if the beam is steerable (see No. 1.191) or reconfigurable	
	gain	B.3.a.1	n:S9(2).9(1) p:S9(2).9(2)	x		x	maximum isotropic gain of the antenna expressed in dB; copolar gain for plans	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	gain_x	B.3.a.2	9(2).9(2)			30/30A	crosspolar gain (for shaped beams only)	
	beamlet		9(2).9			x	spot beam	
	bore_long	B.3.f.1.a	S9(3).9(2)			x	longitude coordinate of the satellite boresight	
	bore_lat	B.3.f.1.b	S9(2).9(2)			x	latitude coordinate of the satellite boresight	
	maj_axis	B.3.f.2.c	9(2).9(2)			x	major axis of the satellite beam projection	
	min_axis	B.3.f.2.d	9(2).9(2)			x	minor axis of the satellite beam projection	
	orient	B.3.f.2.b	S9(3).9(2)			x	orientation of the satellite beam	
	pnt_acc	B.3.d	9.9(2)	x			the pointing accuracy of the antenna, in degrees	
	rot_acc	B.3.f.2.a	9.9(2)			x	satellite beam rotational accuracy	
	pattern_id	B.3.c.1.b	9(4)				unique identifier of the co-polar radiation pattern in the reference table ant_type	
	freq_min		9(7).9(6)				minimum frequency in MHz (assigned frequency - half bandwidth) (of all frequencies for this beam)	derived data
	freq_max		9(7).9(6)				maximum frequency in MHz (assigned frequency + half bandwidth) (of all frequencies for this beam)	derived data
	sr_type	B.1.d.1	X	x			symbol indicating the type of the sensor A - active, P - passive	
	act_code		X	x			code indicating the action to be taken on the entity	see NOTE 3
	ang_alpha	B.4.a.3.a.1	9(3).9	x			satellite beam orientation	if 9.11A applies
	ang_beta	B.4.a.3.a.2	9(2).9	x			satellite beam orientation	if 9.11A applies
	attch_alpha_beta		9(2)	x			number of the attachment for explanation when angle alpha or angle beta cannot be provided	
	attch_e	B.3.c.1.a	9(2)	x		x	number of the attachment for the co-polar antenna radiation pattern diagram	see NOTE 2
	attch_e_x	B.3.c.2.a	9(2)	x		x	number of the attachment for the cross-polar antenna radiation pattern diagram	see NOTE 2
	attch_elev	B.4.b.2	9(2)	x			number of the attachment for the gain versus elevation angle diagram	if 9.11A applies
	pwr_max_4k	B.4.b.4.a	S9(2).9(1)	x			maximum peak E.I.R.P. at 4kHz	if 9.11A applies
	pwr_avg_4k	B.4.b.4.b	S9(2).9(1)	x			average peak E.I.R.P. at 4kHz	if 9.11A applies
	pwr_max_1m	B.4.b.4.c	S9(2).9(1)	x			maximum peak E.I.R.P. at 1MHz	if 9.11A applies
	pwr_avg_1m	B.4.b.4.d	S9(2).9(1)	x			average peak E.I.R.P. at 1MHz	if 9.11A applies
	prot_ratio	C.12.a	9(3).9(2)			30B	minimum acceptable aggregate C/I ratio, if less than 26 dB or 23 dB for submissions received by the Bureau as of 5 July 2003	
	f_fdg_reqd		X				code indicating if finding is required	BR internal data
	f_tx_vis	B.2.a.1	X	x			an indicator specifying whether the space station only transmits when visible from the notified service area	
	tx_ang_min	B.2.a.2	9(2).9	x			in case of non-continuous transmission in item B.2bis.a, the minimum elevation angle above which transmissions occur when the space station is visible from the notified service area	
	attch_pfd_steer	B.3.b.1	9(2)	x			attachment number for method required in ROP 21.16	
	f_pfd_steer_default	B.3.b.1	X	x			code indicating if applicable PFD will be met by applying the method in Annex 1 of ROP 21.16	
	f_all_orbit		X	x			code indicating that the beam operates with all satellites in all orbital planes	
	f_co_change		X				code indicating that the antenna gain contour diagram has been modified	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	f_aggso_change		X				code indicating that the antenna gain towards GSO orbit diagram has been modified	
	f_e_change		X	x			For future use when antenna pattern diagrams will be in GIMS	
	cmp_ntc_id		9(9)				code indicating the ntc_id of the second network/earth station beam if two networks/earth stations are compared	BR internal data
	cmp_beam		X(8)				beam_name of the second beam if two beams are compared	BR internal data
	f_cmp_str		X				code indicating if two structures compared are equal [E], have basic differences [B], have non-basic differences [N] or the second structure is not found [X]	BR internal data
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data
sat_lnk							**Table to link a non-geostationary space station antenna with the satellite**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	emi_rcp	B.2	X	x			code identifying a beam as either transmitting [E] or receiving [R]	PK, FK
	beam_name	B.1.a	X(8)	x			designation of the satellite antenna beam	PK, FK
	orb_id	B.4.a.1	9(4)	x			identifying sequence number of the orbital plane	PK, FK
	orb_sat_id	B.4.a.2	9(4)	x			satellite sequence number in the non-geostationary orbital plane	PK, FK
sat_oper							**Non-geostationary satellites with overlapping frequencies**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	lat_fr	A.4.b.6.a.2	S9(2).9(3)	x			lower limit of the latitude range	in degrees; PK
	lat_to	A.4.b.6.a.3	S9(2).9(3)	x			upper limit of the latitude range	in degrees; PK
	nbr_op_sat	A.4.b.6.a.1	9(4)	x			maximum number of non-geostationary satellites transmitting with overlapping frequencies to a given location within the latitude range	
scraft_cmr_freq							**frequency band(s) present on board the spacecraft**	
	itu_scraft_id		9(4)	x			Unique identification of the spacecraft	PK, FK
	seq_no		9(4)	x			sequence number for this itu_scraft_id	PK
	freq_min		k:9(5).9(3)/ m:9(5).9(6) /g:9(4).9(9)	x			start frequency in a range	
	freq_max		k:9(5).9(3)/ m:9(5).9(6) /g:9(4).9(9)	x			end frequency in a range	
	freq_sym		X	x			frequency symbol	
scraft_cmr_syst							**table to identify spacecraft under Res. 552**	
	itu_scraft_id		9(4)	x			Unique identification of the spacecraft	PK, FK
	ntwk_name		X(20)	x			commercial name of the satellite	
	lsp_name		X(20)	x			name of the launch service provider	
	vehicle		X(20)	x			name of the launch vehicle	
	d_exe		9(8)	x			date of execution of the launch contract	
	facility		X(20)	x			name of the launch facility	
	mfct_name		X(20)	x			name of the manufacturer	
	nbr_sat		9(9)	x			number of satellites procured	
	d_exe_m		9(8)	x			date of execution of the contract	

Table Name	Data Item	Items in AP4	Format	4/2	4/3	Plans	Description	Comment
	d_deliv		9(8)	x			delivery date	
	d_launch		9(8)	x			launch date	
srv_area							**Service area**	
	grp_id		9(9)	x		x	identification of the group	PK, FK; see NOTE 1
	ctry	C.11.a	X(3)	x		x	symbol of the country or geographical area	PK, FK
	f_excl_api		X	x			Indicator for whether the code in ctry is meant to be included (N or empty) or excluded from (Y), the service area, for API only	BR internal data
srv_cls							**Nature of service and class of station for the group of frequency assignments**	
	grp_id		9(9)	x	x	x	identification of the group	PK, FK; see NOTE 1
	seq_no		9(4)	x	x	x	sequence number	PK; see NOTE 1
	stn_cls	C.4.a	X(2)	x	x	x	class of station	Table 3 of the Preface
	nat_srv	C.4.b	X(2)	x	x		nature of service	Table 4 of the Preface
strap		D.1					**Connection between uplink and downlink beams/frequencies**	
	ntc_id		9(9)	x			unique identifier of the notice	PK, FK; see NOTE 1
	strp_id		9(4)	x			serial number of the strap	PK
	act_code	D.1	X	x			code indicating the action to be taken on the entity	see NOTE 3
	beam_up	D.1.a.1.a	X(8)	x			designation of the satellite receiving antenna beam associated with the uplink frequency	
	beam_dn	D.1.a.2.a	X(8)	x			designation of the satellite transmitting antenna beam associated with the downlink frequency	
	freq_symup	D.1.a.1.b	X	x			symbol indicating kilohertz [K], megahertz [M] or gigahertz [G]	
	freq_up	D.1.a.1.b	k:9(5).9(3)/ m:9(5).9(6) /g:9(4).9(9)	x			assigned frequency of the uplink forming part of the strap	
	freq_symdn	D.1.a.2.b	X	x			symbol indicating kilohertz [K], megahertz [M] or gigahertz [G]	
	freq_dn	D.1.a.2.b	k:9(5).9(3)/ m:9(5).9(6) /g:9(4).9(9)	x			assigned frequency of the downlink forming part of the strap	
	f_cmp_rec		X				code indicating if two records compared are equal [E], have basic differences [B], have non-basic differences [N] or the second record is not found [X]	BR internal data

BR Data

Table Name	Data Item	Format	Description	Comment
all_aff_ntw			**Table of affected/affecting networks at group level**	
	aff_rec_id	9(9)	unique identifier of an affected/affecting network	PK
	aff_ntc_id	9(9)	unique identifier of the notice affected/affecting	FK
	coord_prov	X(20)	reference to provision of the RR, Appendix or Resolution	
	agree_st	X	code indicating if the coordination requirement has been identified using the arc concept [A] or ΔT/T calculation [T]	
	adm	X(3)	country symbol of the notifying administration	
	ntwk_org	X(3)	symbol of the organization operating regional or international networks (Table 2 of the Preface to the International Frequency List)	
	sat_name	X(30)	name of the space station	
	long_nom	S9(3).9(2)	nominal longitude of the space station, give "-" for West "+" for East	in degrees from -179.99 to +180.00
	ntf_rsn	X	notification reason - see "notice" table	
	st_aff	X(2)	processing status of the network affected/affecting	BR internal use
	f_cause	X	code indicating that the network has been identified as causing [C] interference	
	f_rec	X	code indicating that the network has been identified as receiving [R] interference	
ap30b_ref_agg			**Ref. aggregate C/I values**	
	grp_id_dn	9(9)	unique identifier of the group downlink	PK
	grp_id_up	9(9)	unique identifier of the group uplink	PK
	seq_pt	9(4)	test point sequential number	PK
	freq_band	X(8)	"12/11", "13/10", "13/11", "12/10", "12/0", "13/0", "0/10", "0/11", "6/4", "6/0", "0/4"	PK
	c2i	S9(3).9(6)	reference aggregated C/I value for this test point	
ap30b_ref_se			**Ref. Single Entry C/I values**	
	grp_id_a	9(9)	unique identifier of the affected group	PK
	grp_id_i	9(9)	unique identifier of the interferer group	PK
	seq_pt	9(4)	test point sequential number	PK
	freq_band	X(8)	"12", "13", "10", "11", "12-13", "10-11", "4", "6"	PK
	emi_rcp	X	'E' for emission, 'R' for reception	
	c2i	S9(3).9(6)	reference S.E. C/I value for this test point	
	agree_st	X	implicitly agreed value (M) or explicitely (E)	
ap30b_tr_res			**AP30B Annex 4 findings at the notice level**	PK
	ntc_id	9(9)	unique identifier of the analyzed network	PK
	freq_band	X(12)	"6/4", "12-13/10-11"	PK
	ntc_id_a	9(9)	unique identifier of the affected network	PK
	plan_status_a	X(4)	Status of entries of a network considered to be affected (either assignment = LIST or allotment = PLAN)	PK
	se_dn_tp_degr_max	9(3).9(3)	maximum downlink single-entry C/I degradation on test points	
	se_dn_gp_degr_max	9(3).9(3)	maximum downlink single-entry C/I degradation on grid points	
	se_up_degr_max	9(3).9(3)	maximum uplink single-entry C/I degradation	
	agg_degr_max	9(3).9(3)	maximum aggregate C/I degradation	
	pfd_exc_dn_max	9(4).9(3)	maximum pfd excess in the downlink	
	pfd_exc_up_max	9(4).9(3)	maximum pfd excess in the uplink	
	f_pfd_appl	X	flag indicating if Pfd criteria is applicable or not	
beam_tr			**Beam information**	SNS/SPS <---> Plans translation

Table Name	Data Item	Format	Description	Comment
	ant_diam	9(3).9(4)	antenna diameter	PK
	pattern_id	9(4)	unique identifier of the antenna radiation pattern	PK
	design_emi	X(9)	designation of emission	PK
	grp_id	9(9)	unique identifier of the group	PK
	pbeam_name	X(8)	designation of the satellite antenna beam (plan)	PK
	beam_name	X(8)	designation of the satellite antenna beam	
	emi_rcp	X	code identifying a beam as either transmitting [E] or receiving [R]	
	ntc_id	9(9)	unique identifier of the notice	
fdg_ref			**Finding reference**	
	grp_id	9(9)	unique identifier of the group	PK, FK; see NOTE 1
	seq_no	9(4)	sequence number	PK; see NOTE 1
	d_fdg_rev	9(8)	date relating to the type in d_type	see NOTE 5
	d_type	X	type describing the action associated to the date in d_fdg_rev	see NOTE 5
	fdg_prov	X(20)	reference to a provision, appendix or resolution (including those indicated in Table 13B1 of Preface)	
grp_aff_rec			**Table to link incoming group and affected/affecting network**	
	grp_id	9(9)	unique identifier of the group	PK;FK
	aff_rec_id	9(9)	unique identifier of an affected/affecting network	PK;FK
link_epm			**Equivalent protection margin (link) – Appendix 30/30A Regions 1 and 3**	
	grp_id	9(9)	unique identifier of the group	PK; see NOTE 1
	seq_e_as	9(4)	sequence number of the earth associated station	PK; see NOTE 1
	seq_assgn	9(4)	sequence number of the frequency assignment	PK; see NOTE 1
	seq_emiss	9(4)	sequence number of the emission	PK; see NOTE 1
	epm	S9(3).9(3)	equivalent protection margin	
ntc_lnk			**Notice link**	
	ntc_id	9(9)	unique identifier of the notice	PK; see NOTE 1
	lnk_ntc_id	9(9)	unique identifier of the linked notice	PK; see NOTE 1
	ntf_rsn	X	notification reason - see ntf_rsn of "notice" table	
	lnkntf_rsn	X	notification reason of the linked notice. Refer to ‘notice’ table	
ntc_lnk_ref			**Notice link reference**	
	plan_id	X(4)	identifier of the space plan	
	ntc_id	9(9)	unique identifier of the notice	
	pbeam_name	X(8)	designation of the satellite antenna beam (plan)	
	adm	X(3)	country symbol of the notifying administration	
	long_nom	S9(3).9(2)	nominal longitude of the space station, give '-' for West '+' for East	
plan_pub			**Publication information for plan notices**	
	ntc_id	9(9)	unique identifier of the notice	PK, FK; see NOTE 1
	wic_no	9(4)	WIC/IFIC number	PK;
	plan_pub_type	9(2)	code indicating plan publication type	PK;
pub_ssn			**Publication information for a notice**	
	ntc_id	9(9)	unique identifier of the notice	PK, FK; see NOTE 1
	seq_no	9(4)	sequence number	PK; see NOTE 1
	ssn_ref	X(12)	symbol indicating the Special Section of the Weekly Circular / IFIC	
	ssn_no	9(4)	number of the Special Section	
	ssn_rev	X	type of revision (M, C or A)	
	ssn_rev_no	9(2)	revision number of special section	

Table Name	Data Item	Format	Description	Comment
sat_sys_provn			**coordination information for the notices submitted under Article 4 of AP30/30A belonging to the same cluster in Region 2**	
	plan_id	X(4)	identifier of the space plan	
	ntwk_pack	X(4)	network package identifier	
	coord_prov	X(20)	reference to provision of the RR, Appendix or Resolution	
	agree_st	X	code indicating the type of the coordination or agreement requirement – (Preface Tables 11A, 11B)	
	ific_no	9(4)	the number of the IFIC in which the list of assignments was most recently published	
	adm	X(3)	country symbol of the notifying administration	
	ntwk_org	X(3)	symbol of the organization operation regional or international satellite networks (Table No. 2 of the Preface to the International Frequency List)	
sps_results			**Space plan results**	
	ntc_id	9(9)	unique identifier of the space plan transaction	
	ntwk_pack	X(4)	network package identifier	
	ntc_id_aff	9(9)	unique identifier of the affected transaction	
	pbeam_name	X(8)	plan/list beam identification	
	aff_ch_pfd	X(56)	list of affected channels identified using PFD criterion (Regions 1 and 3 downlink only)	
	pfd_exc_max	9(3).9(2)	maximum pfd excess value (Regions 1 and 3 downlink only) in dB(W/(m².27 MHz))	
	aff_ch_epm	X(56)	list of affected channels identified using EPM/OEPM criterion	
	epm_c2i_dgr_max	9(3).9(3)	EPM/OEPM (BSS)degradation max.	
	aff_chs	X(56)	final list of channels identified as affected	
	pfd_exc	9(3).9(2)	maximum pfd excess value for the final list of affected channels in dB(W/(m².27 MHz))	
	epm_dgr	9(3).9(3)	maximum EPM/OEPM (BSS) degradation for the final list of affected channels	
	freq_band	X(4)	identifier of frequency band for Regions 1 and 3 feeder-link Plan/List in 14 or 17 GHz	
tr_aff_ntw			**Affected/affecting networks for the transaction**	
	ntc_id	9(9)	unique identifier of the notice	FK; see NOTE 1
	coord_prov	X(20)	reference to provision of the RR, Appendix or Resolution	see NOTE 6
	agree_st	X	code indicating if the coordination requirement has been identified using the arc concept [A] or ΔT/T calculation [T] or Frequency overlap [F or Q]	
	aff_ntc_id	9(9)	unique identifier of the notice affected/affecting	FK; see NOTE 1
	adm	X(3)	country symbol of the notifying administration	
	ntwk_org	X(3)	symbol of the organization operating regional or international networks (Table 2 of the Preface to the International Frequency List)	
	sat_name	X(30)	name of the space station	
	long_nom	S9(3).9(2)	nominal longitude of the space station, give "-" for West "+" for East	in degrees from -179.99 to +180.00
	ntf_rsn	X	notification reason - see "notice" table	
	coord_st	X	code indicating status of coordination	
	st_aff	X(2)	processing status of the network affected/affecting	BR internal use
	f_cause	X	code indicating that the network has been identified as causing [C] interference	
	f_rec	X	code indicating that the network has been identified as receiving [R] interference	
	d_prot_inc	9(8)	date of protection of the frequency group (incoming network)	
	wic_no	9(4)	the number of the WIC/IFIC in which the notice was most recently published	BR data
tr_provn			**Coordination information for the transaction**	
	ntc_id	9(9)	unique identifier of the notice	PK, FK; see NOTE 1
	coord_prov	X(20)	reference to provision of the RR, Appendix or Resolution	PK
	agree_st	X	code indicating if the coordination or agreement has been obtained [O] or requested [R]	PK
	wic_no	9(4)	the number of the WIC/IFIC in which the list of assignments was most recently published	PK

Table Name	Data Item	Format	Description	Comment
	seq_no	9(4)	sequence number	PK; see NOTE 1
	coord_st	X	code indicating status of coordination	
	adm	X(3)	country symbol of the notifying administration	
	ntwk_org	X(3)	symbol of the organization operating regional or international satellite networks (Table 2 of the Preface to the International Frequency List)	
	ctry	X(3)	symbol indicating geographical area	

Reference Tables

Table Name	Data Item	Format	Description	Comment
ant_type			**Antenna type information**	
	pattern_id	9(4)	unique identifier of the antenna radiation pattern	PK
	f_ant_type	X	flag indicating the type of the antenna radiation pattern E - earth, S - space, A - associated earth, R - radioastronomy, P - plan space, T - plan test point	
	f_sub_type	X	code indicating that antenna pattern is valid for certain types of notice or other status: B: BSS plan, C: Composite, F: FSS plan, O: obsolete, W: withdrawn	
	emi_rcp	X	code identifying a beam as either transmitting [E] or receiving [R]	
	pattern	X(12)	antenna radiation pattern indicated by a reference to the appropriate ITU-R Recommendation	
	coefa	9(2).9	coefficient A for non-standard antenna	see NOTE 4
	coefb	9(2).9	coefficient B for non-standard antenna	see NOTE 4
	coefc	9(2).9	coefficient C for non-standard antenna	see NOTE 4
	coefd	9(2).9	coefficient D for non-standard antenna	see NOTE 4
	phi1	9(2).9	coefficient PHI1 for non-standard antenna	see NOTE 4
	f_ant_new	X	flag indicating a new antenna radiation pattern	
	apl_name	X(12)	name in the antenna pattern library for this pattern	
	d_upd	9(8)	date of data creation or most recent data update	

BR Internal Data

Table Name	Data Item	Format	Description	Comment
alloc_id			**Identifier allocation**	BR internal use
	ntc_year	9(2)	year of submission of the notice	PK
	grp_id_last	9(9)	Last allocated grp_id	
cmr_history			**Spacecraft history table**	
	ntc_id	9(9)	unique identifier of the notice	PK, FK; see NOTE 1
	itu_scraft_id	9(9)	unique identifier of the spacecraft	PK, FK
	seq_no	9(4)	sequence number	PK, FK
	reg_st	X	code indicating regulatory status (F = First bringing into use, S = Suspended, R= Resumed)	
	d_reg_st	9(8)	Date of first bringing into use / suspending / resuming	
	rsn_susp	X(255)	reason for suspension	
	wic_no	9(4)	the number of the WIC/IFIC in which the notice was most recently published	BR data
com_el			**Common elements**	BR internal use
	ntc_id	9(9)	unique identifier of the notice	PK, FK see NOTE 1
	prov	X(12)	provision of the RR according to which the notice is submitted	
	plan_id	X(4)	identifier of the plan	FK
	adm	X(3)	country symbol of the notifying administration	
	ntwk_org	X(3)	symbol of the organization operating regional or international satellite networks (Table 2 of the Preface to the International Frequency List)	
	sat_name	X(30)	name of the space station	
	long_nom	S9(3).9(2)	nominal longitude of the space station, give "-" for West, "+" for East	in degrees from -179.99 to +180.00
	act_code	X	code indicating action to be taken on the entity	see NOTE 3
	ntf_rsn	X	notification reason - see "notice" table	derived data
	st_cur	X(2)	processing status of the notice	BR internal use
	d_rcv	9(8)	date of receipt of the notice	BR data (date in yyyymmdd format)
	wic_no	9(4)	the number of the WIC/IFIC in which the notice was most recently published	BR data
	wic_part	X	the part of the WIC/IFIC in which the notice was most recently published	BR data
	ntc_type	X	code indicating if the notice is of a geostationary satellite [G], non-geostationary satellite [N], specific earth station [S], typical earth station [T] or radio astronomy station [R]	
	adm_ref_id	X(20)	reference identifier of the notice given by the notifying administration	
	tgt_ntc_id	9(9)	identifier of the notice to be modified or suppressed	
	stn_name	X(30)	name of the earth station	
	long_dec	S9(3).9(4)	longitude coordinate of the earth station in degrees	derived data
	lat_dec	S9(2).9(4)	latitude coordinate of the earth station in degrees	derived data
	ctry	X(3)	symbol of the country or geographical area in which the station is located	
	prov_desc	X(20)	additional information to specify the exact provision	
freq			**Frequency**	BR internal use
	ntc_id	9(9)	unique identifier of the notice	FK see NOTE 1
	emi_rcp	X	code identifying a beam as either transmitting [E] or receiving [R]	FK
	beam_name	X(8)	designation of the satellite antenna beam	FK
	grp_id	9(9)	unique identifier of the group	PK, FK see NOTE 1
	seq_no	9(4)	sequence number	PK
	freq_sym	X	symbol indicating kilohertz [K], megahertz [M] or gigahertz [G]	

Table Name	Data Item	Format	Description	Comment
	freq_assgn	k:9(5).9(3)/m:9(5).9(6)/g:9(4).9(9)	assigned frequency	
	freq_mhz	9(7).9(6)	assigned frequency in MHz	
	freq_min	9(7).9(6)	minimum frequency in MHz (assigned frequency - half bandwidth)	
	freq_max	9(7).9(6)	maximum frequency in MHz (assigned frequency + half bandwidth)	
	bdwdth	9(8)	assigned frequency band expressed in kHz	
	fdg_reg	X(2)	findings: conformity with Radio Regulations; Table No. 13A of the Preface to the International Frequency List (13A1)	
	d_prot_eff	9(8)	the date from which a list of assignments is taken into account according to RR1061-1065 or RR1148-1154, as appropriate	
	wic_no	9(4)	the number of the WIC/IFIC in which the notice was most recently published	BR data
	ntc_type	X	code indicating if the notice is of a geostationary satellite [G], non-geostationary satellite [N], specific earth station [S], typical earth station [T] or radio astronomy station [R]	
history			**Transaction history data**	BR internal use
	ntc_id	9(9)	unique identifier of the notice	PK, FK; see NOTE 1
	seq_no	9(4)	sequence number	PK
	oper_id	X(8)	unique identifier of the operator/program	
	d_hist	9(8).9(6)	date relating to the action performed by the operator or program	
	st_cur	X(2)	current status of the transaction	
	hist_text	X(60)	description of the action carried out on the notice	
srs_ooak			**Database system information**	BR internal use
	version_no	9(2)	number current version of the database	
	version_no_sub	9(2)	minor (or sub) version of the database structure	
	d_create	9(8)	date of creation of the database	
	d_last_export	9(8)	date of the most recent export of a network into the DB	
	comment	X(30)	comment	