

Physical Data Model	
Project:	space
Model :	srs_new
Author:	BRIAP
Version:	6.1
Date:	22.09.2009

NGMA	
<u>NTC_ID</u>	INTEGER4
<u>NGMA_ID</u>	INTEGER2
ACT_CODE	CHAR(1)
STRP_ID_FR	INTEGER2
STRP_ID_TO	INTEGER2
NOISE_T_LO	INTEGER4
GAIN_AS_LO	FLOAT4
NOISE_T_HR	INTEGER4
GAIN_AS_HR	FLOAT4
STN_NAME	CHAR(20)
F_CMP_REC	CHAR(1)

GEO	
<u>NTC_ID</u>	INTEGER4
SAT_NAME	CHAR(20)
LONG_NOM	FLOAT4
TOL_EAST	FLOAT4
TOL_WEST	FLOAT4
INCLIN_EXC	FLOAT4
F_ACTIVE	CHAR(1)
F_OFF_AXIS	CHAR(1)
LONG_ORIG	FLOAT4

STRAP	
<u>NTC_ID</u>	INTEGER4
<u>STRP_ID</u>	INTEGER2
ACT_CODE	CHAR(1)
BEAM_UP	CHAR(8)
BEAM_DN	CHAR(8)
FREQ_SYMUP	CHAR(1)
FREQ_UP	FLOAT8
FREQ_SYMDN	CHAR(1)
FREQ_DN	FLOAT8

S_BEAM	
<u>NTC_ID</u>	INTEGER4
EMI_RCP	CHAR(1)
BEAM_NAME	CHAR(8)
F_STEER	CHAR(1)
SR_TYPE	CHAR(1)
ACT_CODE	CHAR(1)
ANG_ALPHA	FLOAT4
ANG_BETA	FLOAT4
BEAM_OLD	CHAR(8)
DIAG_E	INTEGER2
DIAG_E_X	INTEGER2
DIAG_ELEV	INTEGER2
DIAG_GAIN	INTEGER2
DIAG_ORB_E	INTEGER2
PATTERN_ID	INTEGER2
PATTERN_ID_X	INTEGER2
GAIN	FLOAT4
LOSS_ATTCH	INTEGER2
PNT_ACC	FLOAT4
PWR_MAX_4K	FLOAT4
PWR_AVG_4K	FLOAT4
PWR_MAX_1M	FLOAT4
PWR_AVG_1M	FLOAT4
BEAMLET	FLOAT4
BORE_LONG	FLOAT4
BORE_LAT	FLOAT4
MAJ_AXIS	FLOAT4
MIN_AXIS	FLOAT4
ORIENT	FLOAT4
ROT_ACC	FLOAT4
GAIN_X	FLOAT4
PROT_RATIO	FLOAT4
DIAG_GAINX	INTEGER2
FREQ_MIN	FLOAT8
FREQ_MAX	FLOAT8
F_FDG_REQ	CHAR(1)
CMP_NTC_ID	INTEGER4
CMP_BEAM	CHAR(8)
F_CMP_STR	CHAR(1)
F_CMP_REC	CHAR(1)

HISTORY	
<u>NTC_ID</u>	INTEGER4
<u>SEQ_NO</u>	INTEGER
OPER_ID	CHAR(8)
D_HIST	DATE
ST_CUR	CHAR(2)
HIST_TEXT	CHAR(50)

ADM_ASSOC	
<u>NTC_ID</u>	INTEGER4
<u>ADM</u>	CHAR(3)

NTC_MEMO	
<u>NTC_ID</u>	INTEGER4
ADM_REMARK	CHAR(255)
BR_COMMENT	CHAR(255)

C_PFD	
<u>NTC_ID</u>	INTEGER4
<u>SEQ_NO</u>	integer
FREQ_MIN	FLOAT8
FREQ_MAX	FLOAT8
PFD	FLOAT4

ATTCH	
<u>NTC_ID</u>	INTEGER4
<u>ATTCH_NO</u>	INTEGER2
ATTCH_TYPE	CHAR(1)
FILE_NAME	CHAR(8)
EXTENSION	CHAR(3)
TEXT	CHAR(255)

NOTICE	
<u>NTC_ID</u>	INTEGER4
<u>SEQ_NO</u>	INTEGER2
NTC_TYPE	CHAR(1)
ADM_REF_ID	CHAR(20)
D_ADM	DATE
PROV	CHAR(12)
ACT_CODE	CHAR(1)
ADM	CHAR(3)
NTWK_ORG	CHAR(3)
NTF_OCCURS	CHAR(1)
TGT_NTC_ID	INTEGER4
D_RCV	DATE
WIC_NO	INTEGER2
WIC_PART	CHAR(1)
D_WIC	DATE
D_UPD	DATE
F_BASIC	CHAR(1)
F_INT_EXT	CHAR(1)
NTF_RSN	CHAR(1)
ST_CUR	CHAR(2)
D_ST_CUR	DATE
ST_PRV	CHAR(2)
F_SPL	CHAR(1)
SPL_NTC_ID	INTEGER4
PLAN_ID	CHAR(5)
NTWK_PACK	CHAR(4)
F_MOD_TYPE	CHAR(1)
F_AA_TYPE	CHAR(1)
F_ADM_PROXI	CHAR(1)
F_RS46	CHAR(1)
F_VAL_CAT	CHAR(1)
CMP_NTC_ID	INTEGER4
F_CMP_STR	CHAR(1)
F_CMP_REC	CHAR(1)
F_CMP_ORB	CHAR(1)
F_CMP_STRP	CHAR(1)
F_CMP_NGMA	CHAR(1)
F_CMP_HORI	CHAR(1)
F_CMP_ELEV	CHAR(1)
F_CMP_PFD	CHAR(1)
F_CMP_OPER	CHAR(1)
F_CFEX	CHAR(1)
F_VAL	CHAR(1)
F_MOD	CHAR(1)
F_AES_CHAR	CHAR(1)

NTC_LNK	
<u>NTC_ID</u>	INTEGER4
<u>LNK_NTC_ID</u>	INTEGER4
NTF_RSN	CHAR(1)
LNK_NTFRSN	CHAR(1)
SAT_NAME	CHAR(20)
ADM	CHAR(3)
NTWK_ORG	CHAR(3)
NTC_TYPE	CHAR(1)
LONG_NOM	FLOAT4

SAT_OPER	
<u>NTC_ID</u>	INTEGER4
LAT_FR	FLOAT4
LAT_TO	FLOAT4
NBR_OP_SAT	INTEGER4

ORBIT_LNK	
<u>NTC_ID</u>	INTEGER4
<u>EMI_RCP</u>	CHAR(1)
<u>BEAM_NAME</u>	CHAR(8)
<u>ORB_ID</u>	INTEGER2
<u>ORB_SAT_ID</u>	INTEGER2

NON_GEO	
<u>NTC_ID</u>	INTEGER4
SAT_NAME	CHAR(20)
REF_BODY	CHAR(1)
NBR_SAT_NH	INTEGER2
NBR_SAT_SH	INTEGER2
NBR_PLANE	INTEGER2
NBR_SAT_TD	INTEGER2
DENSITY	INTEGER4
AVG_DIST	FLOAT4
F_X_ZONE	CHAR(1)
X_ZONE	FLOAT4
F_EPFD	CHAR(1)
F_ACTIVE	CHAR(1)
ATTCH_X_ZONE	INTEGER2

TR_PROVN	
<u>NTC_ID</u>	INTEGER4
<u>COORD_PROV</u>	CHAR(12)
<u>AGREE_ST</u>	CHAR(1)
<u>WIC_NO</u>	INTEGER2
ADM	CHAR(3)
NTWK_ORG	CHAR(3)
CTRY	CHAR(3)

PUB_SSN	
<u>NTC_ID</u>	INTEGER4
<u>SEQ_NO</u>	INTEGER2
<u>SSN_REF</u>	CHAR(12)
SSN_NO	INTEGER2
SSN_REV	CHAR(1)
SSN_REV_NO	INTEGER2

TR_AFF_NTWK	
<u>NTC_ID</u>	INTEGER4
<u>COORD_PROV</u>	CHAR(12)
<u>AGREE_ST</u>	CHAR(1)
<u>AFF_NTC_ID</u>	INTEGER4
ADM	CHAR(3)
NTWK_ORG	CHAR(3)
CTRY	CHAR(3)
SAT_NAME	CHAR(20)
LONG_NOM	FLOAT4
NTF_RSN	CHAR(1)
COORD_ST	CHAR(1)
ST_AFF	CHAR(1)
F_CAUSE	CHAR(1)
R_REC	CHAR(1)

NTC_ID = NTC_ID

NTC_ID = NTC_ID

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NTC_ID = NTC_ID

NTC_ID = NTC_ID

ORB_ID = ORB_ID

ORB_SAT_ID = ORB_SAT_ID

NTC_ID = NTC_ID

ORB_ID = ORB_ID

ORB_SAT_ID = ORB_SAT_ID

PATTERN_ID = PATTERN_ID

PATTERN_ID = PATTERN_ID_X

NTC_ID = NTC_ID

NTC_ID = NTC_ID

NTC_ID = NTC_ID

ORB_ID = ORB_ID

ORB_SAT_ID = ORB_SAT_ID

PATTERN_ID = PATTERN_ID

PATTERN_ID = PATTERN_ID_X

NTC_ID = NTC_ID

CMR_GRP_LNK	
<u>NTC_ID</u>	INTEGER4
<u>SEQ_CMR</u>	INTEGER2
<u>GRP_ID</u>	INTEGER4

CMR_SYST	
<u>NTC_ID</u>	INTEGER4
<u>SEQ_NO</u>	INTEGER2
SAT_NAME	CHAR(20)
LSP_NAME	CHAR(20)
VEHICLE	CHAR(20)
D_EXE	DATE
D_DELIV_FR	DATE
D_DEILV_TO	DATE
FACILITY	CHAR(20)
CTRY	CHAR(3)
LONG_DEG	INTEGER2
LONG_EW	CHAR(1)
LONG_MIN	INTEGER2
LONG_SEC	INTEGER2
LAT_DEG	INTEGER2
LAT_NS	CHAR(1)
LAT_MIN	INTEGER2
LAT_SEC	INTEGER2
MFCT_NAME	CHAR(20)
NBR_SAT	INTEGER2
D_EXE_M	DATE
D_DELIV_FR_M	DATE
D_DEILV_TO_M	DATE
LONG_DEC	FLOAT4
LAT_DEC	FLOAT4

E_STN	
<u>NTC_ID</u>	INTEGER4
STN_NAME	CHAR(20)
CTRY	CHAR(3)
LONG_DEG	INTEGER2
LONG_EW	CHAR(1)
LONG_MIN	INTEGER2
LONG_SEC	INTEGER2
LAT_DEG	INTEGER2
LAT_NS	CHAR(1)
LAT_MIN	INTEGER2
LAT_SEC	INTEGER2
SAT_NAME	CHAR(20)
LONG_NOM	FLOAT4
DIAG_HOR	INTEGER2
ELEV_MIN	FLOAT4
ELEV_MAX	FLOAT4
AZM_FR	FLOAT4
AZM_TO	FLOAT4
ANT_ALT	INTEGER4
F_ACTIVE	CHAR(1)
LONG_DEC	FLOAT4
LAT_DEC	FLOAT4
F_PFD_SE	CHAR(1)

E_ANT_ELEV	
<u>NTC_ID</u>	INTEGER4
<u>AZM</u>	FLOAT4
<u>ELEV_ANG</u>	FLOAT4

HOR_ELEV	
<u>NTC_ID</u>	INTEGER4
<u>AZM</u>	FLOAT4
<u>ELEV_ANG</u>	FLOAT4
<u>HOR_DIST</u>	FLOAT4
<u>F_CMP_REC</u>	CHAR(1)

ORBIT	
<u>NTC_ID</u>	INTEGER4
<u>ORB_ID</u>	INTEGER2
NBR_SAT_PL	INTEGER2
RIGHT_ASC	FLOAT4
INCLIN_ANG	FLOAT4
PRD_DDD	INTEGER2
PRD_HH	INTEGER2
PRD_MM	INTEGER2
APOG	FLOAT4
APOG_EXP	INTEGER2
PERIG	FLOAT4
PERIG_EXP	INTEGER2
PERIG_ARG	FLOAT4
OP_HT	FLOAT4
OP_HT_EXP	INTEGER2
F_STN_KEEP	CHAR(1)
RPT_PRD_DD	INTEGER2
RPT_PRD_HH	INTEGER2
RPT_PRD_MM	INTEGER2
RPT_PRD_SS	INTEGER2
F_PRECESS	CHAR(1)
PRECESSION	FLOAT4
LONG_ASC	FLOAT4
KEEP_RNGE	FLOAT4
F_CMP_REC	CHAR(1)
F_CMP_PHA	CHAR(1)

GRP_ID = GRP_ID

REFERENCE TABLES

NATSRV	
<u>SRV_CLS</u>	CHAR(2)
DESCR	CHAR(80)

CLSCODE	
<u>SRV_CLS</u>	CHAR(2)
DESCR	CHAR(80)

ADM_ADDR	
<u>ADM</u>	CHAR(3)
<u>ADM_RESP</u>	CHAR(2)
ADDR	CHAR(200)

ST_QUEUE	
<u>ST_CODE</u>	CHAR(2)
ST_DESCR	CHAR(50)

AGENCY	
<u>ADM</u>	CHAR(3)
<u>OP_AGCY</u>	INTEGER
AP_AGCY_NM	CHAR(200)

VEHICLE	
VEHICLE	CHAR(255)

FACILITY	
FACILITY	CHAR(255)
CTRY	CHAR(3)
LAT_DEC	FLOAT4
LONG_DEC	FLOAT4

ADM_INFO	
<u>ADM</u>	CHAR(10)
ADM_NAME	CHAR(56)
LANGUAGE	CHAR(1)

COUNTRY	
<u>CTRY</u>	CHAR(3)
ADM	CHAR(3)
CTRY_NAME	CHAR(36)
REGION	CHAR(1)

SATSYST	
<u>ORG</u>	CHAR(30)
<u>ORG_SYM</u>	CHAR(3)
ADM	CHAR(3)

PLAN	
<u>PLAN_ID</u>	CHAR(4)
BDWIDTH_ST	FLOAT
CHAN_MIN	INTEGER
CHAN_MAX	INTEGER
CHAN_SPACE	INTEGER
FREQ_DOWN	FLOAT8
FREQ_UP	FLOAT8
PLAN_CODE	CHAR(16)
PLAN_DESCR	CHAR(160)
REF_TYPE	CHAR(10)

NTC_LINK_REF	
<u>PLAN_ID</u>	CHAR(4)
<u>NTC_ID</u>	INTEGER4
<u>PBEAM_NAME</u>	CHAR(8)
ADM	CHAR(3)
LONG_NOM	FLOAT4

PHASE	
<u>NTC_ID</u>	INTEGER4
<u>ORB_ID</u>	INTEGER2
<u>ORB_SAT_ID</u>	INTEGER2
PHASE_ANG	FLOAT4
D_REF	INTEGER4
T_REF	INTEGER4
F_CMP_REC	CHAR(1)

MASK_LNK1	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_NO</u>	INTEGER2
<u>NTC_ID</u>	INTEGER4
<u>ORB_ID</u>	INTEGER2
<u>ORB_SAT_ID</u>	INTEGER2
<u>MASK_ID</u>	INTEGER2

E_ANT	
<u>NTC_ID</u>	INTEGER4
<u>EMI_RCP</u>	CHAR(1)
<u>BEAM_NAME</u>	CHAR(8)
ACT_CODE	CHAR(1)
BEAM_OLD	CHAR(8)
BMWDTH	FLOAT4
DIAG_E	INTEGER2
DIAG_E_X	INTEGER2
GAIN	FLOAT4
PATTERN_ID	INTEGER2
PATTERN_ID_X	INTEGER2
ANT_DIAM	FLOAT4
DIAG_CRDN	INTEGER2
F_FDG_REQD	CHAR(1)
CMP_NTC_ID	INTEGER4
CMP_BEAM	CHAR(8)
F_CMP_STR	CHAR(1)
F_CMP_REC	CHAR(1)

ANT_TYPE	
<u>PATTERN_ID</u>	INTEGER2
F_ANT_TYPE	CHAR(1)
F_SUB_TYPE	CHAR(1)
EMI_RCP	CHAR(1)
PATTERN	CHAR(12)
COEFA	FLOAT4
COEFB	FLOAT4
COEFC	FLOAT4
COEFD	FLOAT4
PHI1	CHAR(1)
F_ANT_NEW	CHAR(1)
APL_NAME	CHAR(12)

GRP	
<u>GRP_ID</u>	INTEGER4
<u>NTC_ID</u>	INTEGER4
EMI_RCP	CHAR(1)
BEAM_NAME	CHAR(8)
SR_TYPE	CHAR(1)

NTC_ID = NTC_ID
EMI_RCP = EMI_RCP
BEAM_NAME = BEAM_NAME

NTC_ID = NTC_ID

NTC_ID = NTC_ID

NTC_ID = NTC_ID

PATTERN_ID = PATTERN_ID

PATTERN_ID_X = PATTERN_ID_X

NTC_ID = NTC_ID

MASK_INFO	
<u>MASK_ID</u>	INTEGER2
GRP_ID	INTEGER4
SEQ_NO	INTEGER2
FREQ_MIN	FLOAT8
FREQ_MAX	FLOAT8
F_MASK	CHAR(1)

MASK_LNK2	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_E_AS</u>	INTEGER2
<u>SEQ_NO</u>	INTEGER2
<u>NTC_ID</u>	INTEGER4
<u>ORB_ID</u>	INTEGER2
<u>ORB_SAT_ID</u>	INTEGER2
<u>MASK_ID</u>	INTEGER4

MOD_CHAR	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_EMISS</u>	INTEGER2
I_MOD_TYPE	INTEGER4
FREQ_LOW	FLOAT8
FREQ_HI	FLOAT8
FREQ_DEV	FLOAT8
FREQ_DEV_TV	FLOAT8
I_PRE_EMPH	INTEGER2
I_MPLX_TYP	INTEGER2
BIT_RATE	INTEGER4
NBR_PHASE	INTEGER2
ATTCH_SIG	INTEGER2
AMPL_MOD	CHAR(1)
FREQ_DEV_FM	FLOAT8
FREQ_SWP	FLOAT8
I_NRGY_DSP	INTEGER2
I_NRGY_DSP_TYP	INTEGER2
ATTCH_MOD	INTEGER2
I_TV_SYS	INTEGER2
I_SOUND_BC	INTEGER2
I_BASEBAND	INTEGER2
RANGE_AGC	FLOAT4

EMISS	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_EMISS</u>	INTEGER2
DESIGN_EMI	CHAR(9)
PEP_MAX	FLOAT4
PWR_DS_MAX	FLOAT4
PEP_MIN	FLOAT4
PWR_DS_MIN	FLOAT4
C_TO_N	FLOAT4
PWR_DS_NBW	FLOAT4
PWR_CTRL	FLOAT4
F_EMI_TYPE	CHAR(1)
ATTCH_PEP	CHAR(1)
ATTCH_MPD	CHAR(1)
ATTCH_C2N	CHAR(1)
PULSE_LENGTH	FLOAT8
PULSE_REP	FLOAT8
F_CMP_REC	CHAR(1)

E_AS_STN	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_NO</u>	INTEGER2
STN_NAME	CHAR(20)
CTRY	CHAR(3)
ACT_CODE	CHAR(1)
STN_TYPE	CHAR(1)
LONG_DEG	INTEGER2
LONG_EW	CHAR(1)
LONG_MIN	INTEGER2
LONG_SEC	INTEGER2
LAT_DEG	INTEGER2
LAT_NS	CHAR(1)
LAT_MIN	INTEGER2
LAT_SEC	INTEGER2
NOISE_T	INTEGER4
GAIN	FLOAT4
BMWDTH	FLOAT4
DAIG_E	INTEGER2
DIAG_E_X	INTEGER2
PATTERN_ID	INTEGER2
PATTERN_ID_X	INTEGER2
STN_OLD	CHAR(20)
LONG_DEC	FLOAT4
LAT_DEC	FLOAT4
ANT_DIAM	FLOAT4
ANT_ALT	INTEGER2
CLIM_ZONE	CHAR(1)
RCP_TYPE	CHAR(1)
PWR_MAX	FLOAT4
BDWDTH_AGGR	INTEGER4
F_TRP_BAND	CHAR(1)
F_CMP_REC	CHAR(1)

OVRL_EPM	
<u>GRP_ID UP</u>	INTEGER4
<u>GRP_ID DN</u>	INTEGER4
<u>SEQ_EAS DN</u>	INTEGER2
<u>SEQ_ASN UP</u>	INTEGER2
<u>SEQ_ASN DN</u>	INTEGER2
<u>SEQ_EMI UP</u>	INTEGER2
<u>SEQ_EMI DN</u>	INTEGER2
OEPM	FLOAT8

PWR_CTRL	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_EMISS</u>	INTEGER2
SEQ_NO	INTEGER2
GRP_ID	INTEGER4
SEQ_EMISS	INTEGER2
PWR_CTRL	FLOAT4

CHARACT	
<u>FIELD_CODE</u>	CHAR(20)
<u>OPTION_NO</u>	INTEGER
GRP_ID	INTEGER4
SEQ_EMISS	INTEGER2
LANGUAGE	CHAR(1)
FIELD_TEXT	CHAR(220)

A field name with prefix "i_" corresponds to an element in the table charact.

Only for AP30/AP30A

CHANNELS	
PLAN_ID	CHAR(4)
REGION	CHAR(3)
CHAN_NO	INTEGER2
FREQ_MHZ	FLOAT8

LINK_EPM	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_E_AS</u>	INTEGER2
<u>SEQ_ASSGN</u>	INTEGER2
<u>SEQ_EMISS</u>	INTEGER2
EPM	FLOAT4

E_SRVCLS	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_E_AS</u>	INTEGER2
<u>SEQ_NO</u>	INTEGER2
STN_CLS	CHAR(2)
NAT_SRV	CHAR(2)

ASSGN	
<u>GRP_ID</u>	INTEGER4
<u>SEQ_NO</u>	INTEGER2
FREQ_SYM	CHAR(1)
FREQ_ASSGN	FLOAT8
FREQ_MHZ	FLOAT8
F_CMP_REC	CHAR(1)

GRP_ID = GRP_ID
SEQ_EMISS = SEQ_EMISS

GRP_ID = GRP_ID
SEQ_EMISS = SEQ_EMISS

GRP_ID = GRP_ID_DN
SEQ_EMISS = SEQ_EMI_DN

GRP_ID = GRP_ID_UP
SEQ_EMISS = SEQ_EMI_UP

GRP_ID = GRP_ID
SEQ_EMISS = SEQ_EMISS

GRP_ID = G
SEQ_NO = S

GRP_ID = GRP_ID_DN
SEQ_NO = SEQ_EAS_DN

GRP_ID = GRP_ID
SEQ_NO = SEQ_E_AS

GRP_ID = GRP_ID

GRP_ID = GRP_ID

GRP_ID = GRP_ID
SEQ_NO = SEQ_E_AS

NTC_ID = NTC_ID
EMI_RCP = EMI_RCP
BEAM_NAME = BEAM_NAME

GRP	
GRP_ID	INTEGER4
NTC_ID	INTEGER4
EMI_RCP	CHAR(1)
BEAM_NAME	CHAR(8)
SR_TYPE	CHAR(1)
PAGE_NO	INTEGER2
ACT_CODE	CHAR(1)
ADM_RESP	CHAR(2)
BDWDTH	INTEGER4
D_INUSE	DATE
NOISE_T	INTEGER4
OP_AGCY	INTEGER2
POLAR_TYPE	CHAR(2)
POLAR_ANG	FLOAT4
DIAG_AREA	INTEGER2
DIAG_SPECT	INTEGER2
PRD_VALID	INTEGER2
REMARK	CHAR(30)
TGT_GRP_ID	INTEGER4
PWR_MAX	FLOAT4
BDWDTH_AGGR	INTEGER4
F_TRP_BAND	CHAR(1)
ATTCH_MUX	INTEGER2
AREA_NO	INTEGER2
OBSERV_CLS	CHAR(2)
REG_OP_FR	INTEGER4
REG_OP_TO	INTEGER4
D_UPD	DATE
ST_CUR	CHAR(2)
D_ST_CUR	DATE
WIC_NO	INTEGER2
WIC_PART	CHAR(1)
D_WIC	DATE
D_PROT_EF	DATE
FDG_REG	CHAR(2)
FDG_PLAN	CHAR(2)
FDG_TEX	CHAR(2)
FDG_OBSERV	CHAR(4)
SPL_GRP_ID	INTEGER4
COMMENT	CHAR(30)
AREA_NAME	CHAR(20)
ATTCH_REG	INTEGER2
ELEV_MIN	FLOAT4
GSO_SEP	FLOAT4
PROV	CHAR(12)
SRV_CODE	CHAR(6)
FREQ_MIN	FLOAT8
FREQ_MAX	FLOAT8
F_NO_INTFR	CHAR(1)
PFD_PK_7G	FLOAT4
D_RCV	DATE
RA_STN_TYPE	CHAR(1)
EIRP_NOM	FLOAT4
SENSITIVITY	FLOAT4
F_FDG_REQD	CHAR(1)
F_AP30B_ART6	CHAR(1)
PLAN_CATEG	CHAR(4)
PLAN_STATUS	CHAR(4)
CMP_GRP_ID	INTEGER4
F_COST_REC	CHAR(1)
F_CMP_STR	CHAR(1)
F_CMP_REC	CHAR(1)
F_CMP_FREQ	CHAR(1)
F_CMP_EMI	CHAR(1)
F_CMP_EAS	CHAR(1)
F_CMP_PROV	CHAR(1)
F_CMP_SAS	CHAR(1)
F_CMP_GPUB	CHAR(1)
F_CMP_FDG	CHAR(1)

NTC_ID = NTC_ID
EMI_RCP = EMI_RCP
BEAM_NAME = BEAM_NAME

GPUB	
GRP_ID	INTEGER4
SEQ_NO	INTEGER2
PUB_REF	CHAR(12)
PUB_NO	INTEGER2
SSN_TYPE	CHAR(5)
SSN_REV_NO	INTEGER2

PROVN	
GRP_ID	INTEGER4
COORD_PROV	CHAR(12)
AGREE_ST	CHAR(1)
SEQ_NO	INTEGER2
COORD_ST	CHAR(1)
ADM	CHAR(3)
NTWK_ORG	CHAR(3)
CTRY	CHAR(3)

PL_STRAP	
NTC_ID	INTEGER4
FREQ_DN	FLOAT8
FREQ_UP	FLOAT8
GRP_ID_DN	INTEGER4
GRP_ID_UP	INTEGER4
PBEAM_NAME	CHAR(8)
MULTIBEAM_SET	INTEGER4
EXOP_SET	INTEGER4
F_VICTIM_OP	CHAR(1)
AGG_TOLERANCE	FLOAT4

S_AS_STN	
GRP_ID	INTEGER4
SAT_NAME	CHAR(20)
BEAM_NAME	CHAR(8)
ACT_CODE	CHAR(1)
BEAM_OLD	CHAR(8)
SAT_OLD	CHAR(20)
STN_TYPE	CHAR(1)
LONG_NOM	FLOAT4
F_CMP_REC	CHAR(1)

SRV_CLS	
GRP_ID	INTEGER4
SEQ_NO	INTEGER2
STN_CLS	CHAR(2)
NAT_SRV	CHAR(2)

SRV_AREA	
GRP_ID	INTEGER4
CTRY	CHAR(3)

FDG_REF	
GRP_ID	INTEGER4
SEQ_NO	INTEGER2
D_FDG_REV	DATE
D_TYPE	CHAR(1)
FDG_PROV	CHAR(12)

GRP_LNK	
GRP_ID	INTEGER4
LNK_GRP_ID	INTEGER4
NTC_ID	INTEGER4
LNK_NTC_ID	INTEGER4
NTF_RSN	CHAR(1)
LNKNTF_RSN	CHAR(1)

EX_OP_GRP	
GRP_ID	INTEGER4
BEAMGRP_ID	CHAR(2)

BR INTERNAL DATA

ALLOC_ID	
NTC_YEAR	INTEGER
GRP_ID_LAST	INTEGER4

FREQ	
NTC_ID	INTEGER4
EMI_RCP	CHAR(1)
BEAM_NAME	CHAR(4)
GRP_ID	INTEGER4
SEQ_NO	INTEGER
FREQ_SYM	CHAR(1)
FREQ_ASSGN	FLOAT8
FREQ_MHZ	FLOAT8
FREQ_MIN	FLOAT8
FREQ_MAX	FLOAT8
BDWDTH	INTEGER4
FDG_REG	CHAR(2)
D_PROT_EFF	DATE
WIC_NO	INTEGER
NTC_TYPE	CHAR(1)

RES49_SEL	
GRP_ID	INTEGER4
SAT_NAME	CHAR(20)
LONG_NOM	FLOAT4
NTF_RSN	CHAR(1)
ADM	CHAR(3)
NTWK_ORG	CHAR(3)
D_INUSE	DATE
NTC_ID	INTEGER4
ST_CUR	CHAR(2)
D_PROT_EFF	DATE
FREQ_MIN	FLOAT8
FREQ_MAX	FLOAT8
WIC_NO	INTEGER2
D_WIC	DATE
ACT_CODE	CHAR(1)
EMI_RCP	CHAR(1)
BEAM_NAME	CHAR(8)
NTC_TYPE	CHAR(1)
D_REG_G	DATE

COM_EL	
NTC_ID	INTEGER1
NTC_TYPE	CHAR(1)
ADM_REF_ID	CHAR(20)
PROV	CHAR(12)
ACT_CODE	CHAR(1)
ADM	CHAR(3)
NTWK_ORG	CHAR(3)
TGT_NTC_ID	INTEGER4
D_RCV	DATE
WIC_PART	CHAR(1)
WIC_NO	INTEGER
NTF_RSN	CHAR(1)
SAT_NAME	CHAR(20)
STNA_NAME	CHAR(20)
LONG_NOM	FLOAT
LONG_DEC	FLOAT
LAT_DEC	FLOAT
ST_CUR	CHAR(2)
PLAN_ID	CHAR(4)
CTRY	CHAR(3)

BEAM_TR	
ANT_DIAM	FLOAT4
ANT_TYPE	CHAR(12)
DESIGN_EMI	CHAR(9)
GRP_ID	INTEGER4
PBEAM_NAME	CHAR(8)
BEAM_NAME	CHAR(8)
EMI_RCP	CHAR(1)
NTC_ID	INTEGER4

SRS_OOAK	
VERSION_NO	INTEGER
D_VERSION	DATE
VERSION_NO_SUB	INTEGER
D_UPDATE	DATE
COMMENT	CHAR(30)
F_DB_USE	CHAR(1)

C/I TABLES for plans AP30B

AP30B_REF_AGG	
GRP_ID_DN	INTEGER4
GRP_ID_UP	INTEGER4
SEQ_PT	INTEGER2
FREQ_BAND	CHAR(8)
C2I	FLOAT4

AP30B_REF_SE	
GRP_ID_A	INTEGER4
GRP_ID_I	INTEGER4
SEQ_PT	INTEGER2
EMI_RCP	CHAR(1)
C2I	FLOAT4
AGREE_ST	CHAR(1)

AP30B_TR_RES	
NTC_ID	INTEGER4
FREQ_BAND	CHAR(8)
NTC_ID_A	INTEGER4
PLAN_STATUS_A	CHAR(4)
NTC_ID_I	INTEGER4
SE_DN_TP_DEGR_MAX	FLOAT4
SE_DN_GP_DEGR_MAX	FLOAT4
SE_UP_DEGR_MAX	FLOAT4
AGG_DEGR_MAX	FLOAT4

GRP_ID = GRP_ID

N_ID = PATTERN_ID_X

PATTERN_ID = PATTERN_ID

GRP_ID = GRP_ID

GRP_ID = GRP_ID_UP

GRP_ID = GRP_ID_DN

GRP_ID = GRP_ID

GRP_ID = GRP_ID

GRP_ID = GRP_ID

GRP_ID = GRP_ID

GRP_ID = GRP_ID

GRP_ID = LNK_GRP_ID

GRP_ID = GRP_ID