

COMMON CODE TABLES TO BINARY AND ALPHANUMERIC CODES

Status

COMMON CODE TABLE C–14: *Atmospheric chemical or physical constituent type*

Code Table 0 08 046 in BUFR

Validation

COMMON CODE TABLE C–1: *Identification of originating/generating centre*

Common Code table F1F2 for alphanumeric codes
 F3F3F3 for alphanumeric codes
 Code table 0 in GRIB Edition 1/Code table 0 01 033 in BUFR Edition 3
 Octet 5 in Section 1 of GRIB Edition 1/Octet 6 in Section 1 of BUFR Edition 3

Code figure for F1F2 Code figure for F3F3F3 Octet 5 in Section 1 of GRIB Edition 1
 Octet 6 in Section 1 of BUFR Edition 3

Status

NONE

COMMON CODE TABLE C–2: *Radiosonde/sounding system used*

Common Code table Code table 3685 – rara (Radiosonde/sounding system used) – for alphanumeric codes
 Code table 0 02 011 (Radiosonde type) in BUFR

Date of assignment of number (necessary after 30/06/2007) Code figure for rara (Code table 3685) Code figure for BUFR (Code table 0 02 011)

Status

NONE

COMMON CODE TABLE C–3: *Instrument make and type for water temperature profile measurement with fall rate equation coefficients*

Common Code table Code table 1770 – lxlxlx (Instrument type for XBT, with fall rate equation coefficients) – for alphanumeric codes
 Code table 0 22 067 (Instrument type for water temperature profile measurement) in BUFR

Code figure for lxlxlx Code figure for BUFR (Code table 0 22 067) Instrument make and type Meaning Equation Coefficients a b Status

NONE

COMMON CODE TABLE C–4: *Water temperature profile recorder types*

Common Code table Code table 4770 – XR XR (Recorder type) – for alphanumeric codes
 Code table 0 22 068 (Water temperature profile recorder types) in BUFR

Code figure for XR XR Code figure for BUFR (Code table 0 22 068) Meaning Status

NONE

COMMON CODE TABLE C–5: *Satellite identifier*

Common Code table I6I6I6 for alphanumeric codes
Code table 0 01 007 in BUFR
Code used in GRIB Edition 2

Code figure for I6I6I6	Code figure for BUFR (Code table 0 01 007)	Code figure for GRIB Edition 2		Status
061	61	61	Sentinel 3A	Formality
287	287	287	DMSP-19	Formality
288	288	288	GPM-core	Formality
516	516	516	FY-2F	Formality
517	517	517	FY-2G	Formality
522	522	522	FY-3C	Formality

COMMON CODE TABLE C–7: *Tracking technique/status of system used*

Common Code table Code table 3872 – sasa for alphanumeric code
Code table 0 02 014 in BUFR

Code figure for sasa	Code figure for BUFR (Code table 0 02 014)	Status
71	Nested tracking disabled	Validation

COMMON CODE TABLE C–8: *Satellite instruments*

Common Code table Code table 0 02 019 in BUFR

Code	Agency	Type	Instrument short name	Instrument long name	Status
178	ESA	Radar altimeter	SRAL	Synthetic aperture radar altimeter	Formality
179	ESA	Moderate resolution optical imager	OLCI	Ocean and land colour imager	Formality
180	ESA	Moderate resolution optical imager	SLSTR	Sea and land surface temperature radiometer	Formality
518	JAXA	Cloud and precipitation radar	DPR	Dual-frequency precipitation radar	Formality
519	NASA	MW imaging/sounding radiometer, conical scanning	GMI	GPM microwave imager	
953	CMA	Microwave sounding radiometer, crosstrack scanning	MWHS-2	Microwave humidity sounder-2	Formality
954	CMA	Microwave sounding radiometer, crosstrack scanning	MWTS-2	Microwave temperature sounder-2	Formality
955	CMA	Cross-nadir scanning IR sounder	HIRAS	Hyperspectral infrared atmospheric sounder	Formality

COMMON CODE TABLE C–11: *Originating/generating centres*

Common Code table BUFR 0 01 035
CREX Edition 2, 00000 in Group P00000ppp in Section 1
GRIB Edition 2, Octets 6–7 in Section 1
BUFR Edition 4, Octets 5–6 in Section 1

CREX Edition 2 B 01 035 (5 characters) and Group 3 in Section 1	GRIB Edition 2 Octets 6–7 in Section 1 BUFR Edition 4 0 01 035 (16 bits) and Octets 5–6 in Section 1	Status
NONE		

COMMON CODE TABLE C–12: *Sub-centres of originating centres defined by entries in Common Code tables C–1 or C–11*

ORIGINATING CENTRES C–1, C–11 or C–12		SUB-CENTRES		
		BUFR 0 01 034 BUFR Edition 3, Octet 5 in Section 1 BUFR Edition 4, Octets 7–8 in Section 1 GRIB Edition 1, Octet 26 in Section 1 GRIB Edition 2, Octets 8–9 in Section 1 CREX Edition 2, ppp in Group Poooooppp in Section 1		
Code figure	Name	Code figure	Name	Status
NONE				

COMMON CODE TABLE C–13: *Data sub-categories of categories defined by entries in BUFR Table A*

DATA CATEGORY BUFR Edition 4, Octet 11 in Section 1 CREX Edition 2, nnn in Group Annnmmm of Section 1		INTERNATIONAL DATA SUB-CATEGORY BUFR Edition 4, Octet 12 (if = 255, it means other sub-category or undefined) CREX Edition 2, mmm in Group Annnmmm of Section 1		
Code figure	Name	Code figure	Name (corresponding traditional alphanumeric codes are in bracket)	Status
NONE				

COMMON CODE TABLE C–14: *Atmospheric chemical or physical constituent type*

Common Code table Code Table 4.230 in GRIB Edition 2

Code figure	Meaning	Chemical formula	Status
NONE			