

COMMON CODE TABLES TO BINARY AND ALPHANUMERIC CODES

		Status
COMMON CODE TABLE C-14: <i>Atmospheric chemical or physical constituent type</i>		
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
Not applicable	175	175	University Corporation for Atmospheric Research (UCAR) – United States	to Operational

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
Needed	21	21	Vacant		Validation
Needed	49	49	Vacant		Validation

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*

Code table 4770 – XRXR (Recorder type) – for alphanumeric codes
 Common Code table
 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*

I6I6I6 for alphanumeric codes
 Common Code table
 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
047	47	47	CryoSat-2	to Operational
048	48	48	AEOLUS	to Operational
122	122	122	GCOM-W1	to Operational
173	173	173	Himawari-8	to Operational
174	174	174	Himawari-9	to Operational
854	854	854	Non specific mixture of geostationary and low earth orbiting satellites	to Operational

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

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

Code figure for sasa	Code figure for BUFR (Code table 0 02 014)	Status
NONE		

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
62	CNES	Altimeter	AltiKa	Ka-band Radar Altimeter	to Operational
177	ESA	Radar Altimeter	SIRAL	SAR/Interferometric Radar Altimeter	to Operational
291	JMA	Communications	Himawari Comms	Communications package for Himawari	to Operational
294	JMA	Imaging multi-spectral radiometer	JAMI	Japanese Advanced Meteorological Imager	to Operational
295	JMA	Imaging multi-spectral radiometer	IMAGER/MTSAT–2	Imager/MTSAT–2	to Operational
297	JMA	Imaging multi-spectral radiometer	AHI	Advanced Himawari Imager	to Operational
478	JAXA	Imaging multi-spectral radiometer (passive microwave)	AMSR2	Advanced microwave scanning radiometer 2	to Operational
942	CNES	Microwave imager	MADRAS	Microwave Analysis and Detection of Rain and Atmospheric Structures	to Operational

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
00175	175	University Corporation for Atmospheric Research (UCAR) – United States

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 P00000ppp in Section 1

Code figure	Name	Code figure	Name	Status
78	Offenbach (RSMC)	224	Austria (NMC)	to Operational
		254	EUMETSAT	to Operational

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

(26 February 2013)

DATA CATEGORY		INTERNATIONAL DATA SUB-CATEGORY		
BUFR Edition 4, Octet 11 in Section 1		BUFR Edition 4, Octet 12 (if = 255, it means other sub-category or undefined)		
CREX Edition 2, nnn in Group Annnmmm of Section 1		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
38	Oxygen	O ₂	to Operational
39–9999	Reserved		to Operational
62019	Reserved		Validation
62020	Smoke – high absorption		Validation
62021	Smoke – low absorption		Validation
62022–	Reserved		Validation
65534			