

COMMON CODE TABLES TO BINARY AND ALPHANUMERIC CODES

		Status
COMMON CODE TABLE C-14	<i>Atmospheric chemical or physical constituent type</i>	
<i>Code Table 0 08 046 in BUFR</i>		<i>Validation</i>

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

Common Code table		<div><div>F<sub>1</sub>F<sub>2</sub> for alphanumeric codes</div><div>F<sub>3</sub>F<sub>3</sub>F<sub>3</sub> for alphanumeric codes</div><div>Code table 0 in GRIB Edition 1/Code table 0 01 033 in BUFR Edition 3</div><div>Octet 5 in Section 1 of GRIB Edition 1/Octet 6 in Section 1 of BUFR Edition 3</div></div>
Code figure for F <sub>1</sub> F <sub>2</sub>	Code figure for F <sub>3</sub> F <sub>3</sub> F <sub>3</sub>	<div>Octet 5 in Section 1 of GRIB Edition 1</div> <div>Octet 6 in Section 1 of BUFR Edition 3</div>
none		

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

Common Code table	Code table 3685 - ra ra (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 ra ra (Code table 3685)	Code figure for BUFR (Code table 0 02 011)	Status
none			

**COMMON CODE TABLE C-5:** *Satellite identifier*

Common Code table	{ I6 I6 I6 for alphanumeric codes			
	Code table 0 01 007 in BUFR			
	Code used in GRIB Edition 2			
Code figure for I6 I6 I6	Code figure for BUFR (Code table 0 01 007)	Code figure for GRIB Edition 2	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
none					

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

Common Code table	{	BUFR 0 01 035
		CREX Edition 2, ooooo in Group Poooooppp in Section 1
		GRIB Edition 2, Octets 6-7 in Section 1
		BUFR Edition 4, Octets 5-6 in Section 1
CREX Edition 2		GRIB Edition 2
B 01 035		Octets 6-7 in Section 1
(5 characters)		BUFR Edition 4
and Group 3		0 01 035 (16 bits)
in Section 1		and Octets 5-6 in Section 1
none		

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

ORIGINATING CENTRES		SUB-CENTRES		
C-1, C-11 or C-12		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 Pooooopp 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	Status
3	Vertical soundings (satellite)	20	<i>IR temperature/humidity sounding</i>	<i>Validation</i>
		30	<i>Hyperspectral temperature/humidity sounding</i>	<i>Validation</i>
		40	<i>MW temperature/humidity sounding</i>	<i>Validation</i>
		50	<i>Radio occultation sounding</i>	<i>Validation</i>
5	Single level upper-air data (satellite)	1	<i>Cloud properties</i>	<i>Validation</i>
12	Surface data (satellite)	8	<i>Soil moisture</i>	<i>Validation</i>
		9	<i>Normalized differential vegetation index (NDVI)</i>	<i>Validation</i>
		10	<i>Normalized radar backscatter</i>	<i>Validation</i>
		11	<i>Surface emissivity</i>	<i>Validation</i>
21	Radiances (satellite measured)	0	<i>Earth radiation budget</i>	<i>Validation</i>
22	<i>Radar (satellite) but not altimeter and scatterometer</i>	0	<i>Cloud and precipitation radar</i>	<i>Validation</i>
23	<i>Lidar (satellite)</i>	1	<i>Synthetic aperture radar</i>	<i>Validation</i>
		0	<i>Lidar based missions (for wind, for cloud/aerosol, for water vapour, for altimetry)</i>	<i>Validation</i>
24	<i>Scatterometry (satellite)</i>	0	<i>Wind scatterometry</i>	<i>Validation</i>
25	<i>Altimetry (satellite)</i>	0	<i>Radar altimetry</i>	<i>Validation</i>
26	<i>Spectrometry (satellite)</i>	0	<i>Cross nadir shortwave spectrometry (for chemistry)</i>	<i>Validation</i>
		1	<i>Cross nadir IR spectrometry (for chemistry)</i>	<i>Validation</i>
		2	<i>Limb sounding shortwave spectrometry</i>	<i>Validation</i>
		3	<i>Limb sounding IR spectrometry</i>	<i>Validation</i>
27	<i>Gravity measurements (satellite)</i>	4	<i>Limb sounding sub-millimetre wave spectrometry</i>	<i>Validation</i>
28	<i>Precision orbit (satellite)</i>		<i>To be defined</i>	<i>Validation</i>
29	<i>Space environment (satellite)</i>		<i>To be defined</i>	<i>Validation</i>
30	<i>Calibration dataset (satellite)</i>		<i>To be defined</i>	<i>Validation</i>
		0	<i>Subsetted data</i>	<i>Validation</i>
		1	<i>Collocated data</i>	<i>Validation</i>
		2	<i>On-board calibration data</i>	<i>Validation</i>
		3	<i>Bias Monitoring</i>	<i>Validation</i>
		4	<i>Near real-time correction</i>	<i>Validation</i>
		5	<i>Re-analysis Correction</i>	<i>Validation</i>



101	Image data <i>(satellite)</i>	0	<i>Multi-purpose VIS/IR imagery</i>	<i>Validation</i>
		1	<i>Conical scanning MW imagery (intermediate frequencies)</i>	<i>Validation</i>
		2	<i>Low frequency MW imagery</i>	<i>Validation</i>
		3	<i>Ocean colour imagery</i>	<i>Validation</i>
		4	<i>Imagery with special viewing geometry</i>	<i>Validation</i>
		5	<i>Lightning imagery</i>	<i>Validation</i>
		6	<i>High-resolution shortwave imagery for land observation</i>	<i>Validation</i>

**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	Status
62019-65534	Reserved		Operational
62019	Reserved		Validation
62020	Smoke - high absorption		Validation
62021	Smoke - low absorption		Validation
62022-65534	Reserved		Validation