131 CODED DATA FIELD: CARTOGRAPHIC RESOURCES – GEODETIC, GRID AND VERTICAL MEASUREMENT

Field Definition and Scope

This field contains coded data relating to the geodetic, grid and vertical measurement details of cartographic resources.

Subfields & Occurrence

Field/Subfield	Field/Subfield Name	Repeatability	Occurrence
131	CODED DATA FIELD: CARTOGRAPHIC RESOURCES: GEODETIC, GRID AND VERTICAL MEASUREMENT	NR	O
a	Spheroid	R	O
b	Horizontal Datum	R	O
c	Grid and Referencing System	R	O
d	Overlapping and Referencing System	R	O
e	Secondary Grid and Referencing System	R	O
f	Vertical Datum	R	O
g	Unit of Measurement of Heighting	R	O
h	Contour Interval	R	O
i	Supplementary Contour Interval	R	O
j	Unit of Measurement of Bathymetry	R	O
k	Bathymetric Interval	R	O
l	Supplementary Bathymetric Interval	R	O

Indicators

Indicator	Value	Description
1	#	blank (not defined)
2	#	blank (not defined)

Subfields Description

$a Spheroid

A two-character code indicates the spheroid used to construct the map. Repeatable.

$b Horizontal Datum

A three-character code used to indicate the horizontal datum(s) named on the cartographic resource. Repeatable for each datum.

$c Grid and Referencing System

A two-character code indicating the main grid or referencing system. This code (and those in subfields $d and $e) includes the spheroid of construction of the grid (as opposed to the spheroid of construction of the map given in subfield $a). Repeatable.

$d Overlapping and Referencing System

A two-character code indicating a subsidiary grid or referencing system which extends across the face of the cartographic resource. Repeatable.

$e Secondary Grid and Referencing System

A two-character code indicating a subsidiary grid or referencing system which appears in the form of marginal ticks. Repeatable.

$f Vertical Datum

A two-character code used to indicate the vertical datum(s) named on the cartographic resource. Repeatable for each datum.

$g Unit of Measurement of Heighting

A two-character code indicating the unit of measurement of heighting. Repeatable.

$h Contour Interval

Up to four characters indicating the value of interval of the main contours (i.e. those contours which always appear when applicable) in the unit of measurement given in subfield $g. Up to one decimal place may be recorded, values of more than one decimal place should be rounded up to one. Repeatable for each value when, for example, the value changes with height.

$i Supplementary Contour Interval

Up to four characters indicating the value of the interval of supplementary contours, i.e. contours used between main contours to increase the topographic expression of the area (e.g. in areas of low relief) or contours whose value is not repeated on the surface of the map. The unit of measurement is that given in subfield $g. Up to one decimal place may be recorded, values of more than one decimal place should be rounded up to one. Repeatable.

$j Unit of Measurement of Bathymetry

Repeatable.

$k Bathymetric Interval

Repeatable.

$l Supplementary Bathymetric Interval

The oceanographic equivalent of subfields $g to $i. The rules for these subfields apply to subfields $j to $l. Repeatable.

Notes on Field Contents

The codes can be found in Appendix D of the UKMARC format. The list is available at http://www.bl.uk/bibliographic/ukmarcmanual/ukmarc_appd.pdf (see also Appendix A).

Related Fields

120 CODED DATA FIELD: CARTOGRAPHIC RESOURCES – GENERAL	
121 CODED DATA FIELD: CARTOGRAPHIC RESOURCES – PHYSICAL ATTRIBUTES	These fields are used to code other attributes of cartographic resources.

Examples

EX 1
131 ##auubaqh$cpe
The spheroid used to construct the map is unknown. The horizontal datum is the European Datum. The map uses the Universal Transverse Mercator Grid, International Spheroid.

EX 2
13l ##auubbpmcpdfnkgabh40$i20
The spheroid used to construct the map is unknown. The horizontal datum is the North American Datum 1927. The map uses the Universal Transverse Mercator Grid, unknown spheroid. The vertical datum is the Sea Level Datum 1929, USA. The heighting is in feet. Main contour intervals are at 40 feet, with other intervals at 20 feet.