

206 MATERIAL SPECIFIC AREA: CARTOGRAPHIC RESOURCES – MATHEMATICAL DATA

Field Definition and Scope

The statements of scale, projections, coordinates and equinox of a cartographic resource.

It is equivalent to the ISBD Material or Type of Resource Specific Area – Mathematical Data.

Mandatory for cartographic resources.

Subfields & Occurrence

Field/Subfield	Field/Subfield Name	Repeatability	Occurrence
206	MATERIAL SPECIFIC AREA: CARTOGRAPHIC RESOURCES – MATHEMATICAL DATA	R	MA
a	Mathematical Data Statement	NR	O
b	Statement of Scale	R	O
c	Statement of Projection	NR	O
d	Statement of Coordinates	NR	O
e	Right Ascension and Declination	NR	O
f	Statement of Equinox	NR	O

Indicators

Indicator	Value	Description
1		Formatting Indicator
	#	Unstructured
	0	Structured
2	#	blank (not defined)

Subfields Description

\$a Mathematical Data Statement

The text of the statements of scale, projection, coordinates, equinoxes and epochs including ISBD punctuation. Not repeatable.

\$b Statement of Scale

Includes any equivalency statements, vertical scales or vertical exaggeration statements for relief models and other three-dimensional resources. Repeatable.

\$c Statement of Projection

Not repeatable.

\$d Statement of Coordinates

Not repeatable.

\$e Right Ascension and Declination

Used for celestial charts. Not repeatable.

\$f Statement of Equinox

Not repeatable.

Notes on Field Contents

The text of the area may use:

either one subfield \$a for the data in unstructured format; in this situation the field is not divided into other subfields and so therefore the specifications for format and punctuation of the data in this field are as contained in the ISBD and all ISBD specified punctuation is carried in the field

or subfields \$b, \$c, \$d, \$e, \$f as required for the structured data.

The correspondence between this field (structured version) and ISBD Consolidated Edition (2011) specification is illustrated below.

UNIMARC subfield	Element name	ISBD (2011)	Preceding punctuation
\$b	Statement of scale	3.1.1	New area
\$b	Statement of scale	3.1.1	,
\$c	Statement of projection	3.1.2	;
\$d	Statement of coordinates	3.1.3.1	()
\$e	Right ascension and declination used for celestial charts	3.1.3.3	()
\$f	Statement of equinox	3.1.3.4	(*;*)

The statement of zone used for celestial charts and the statement of equinox are transcribed into the same pair of parentheses.

Related Fields

120 CODED DATA FIELD: CARTOGRAPHIC RESOURCES – GENERAL	This field contains a code for map projection.
122 CODED DATA FIELD: TIME PERIOD OF RESOURCE CONTENT	This field contains in coded form the date to which the resource applies, it includes the data which is found in the statement of equinox in records relating to celestial charts.
123 CODED DATA FIELD: CARTOGRAPHIC RESOURCES – SCALE AND COORDINATES	
131 CODED DATA FIELD: CARTOGRAPHIC RESOURCES – GEODETIC, GRID AND VERTICAL MEASUREMENT	

Examples

EX 1
Unstructured information
206 ##\$aScale 1:6 336 000 (W 170°-W 50°/N 80° -N 40°)
Structured information
206 0#\$bScale 1:6 336 000\$dW 170°-W 50°/N 80°-N 40°
EX 2
Unstructured information
206 ##\$aScale 1:250 000. Vertical scale 1:125 000 ; Universal Transverse Mercator proj. (W 124°- W 122°/N 58°-N57°)
The record was created prior to ISBD Consolidated Edition (2011).
Structured information
206 0#\$bScale 1:250 000\$bVertical scale 1:125 000\$cUniversal Transverse Mercator proj.\$dW 124°- W 122°/N 58°-N57°

EX 3
Unstructured information
206 ##\$a(RA 16 hr. 30 min. to 19 hr. 30min./Decl. -16° to -49°; eq. 1950, epoch 1948)
Structured information
206 0#\$eRA 16 hr. 30 min. to 19 hr. 30min./Decl. -16° to -49°\$feq. 1950, epoch 1948
Example of a celestial chart.
EX 4
Unstructured information
206 ##\$aScale [ca. 1:770.000]
Includes in field 315, note: Scale given with the calculated value 14.50 cm for the latitude degree.
Structured information
206 0#\$bScale [ca. 1:770.000]
Includes in field 315, note: Scale given with the calculated value 14.50 cm for the latitude degree.
EX 5
Unstructured information
206 ##\$aScale [ca. 1:500.000]. Vertical scale [ca. 1:100.000]
The record was created prior to ISBD Consolidated Edition (2011).
Structured information
206 0#\$bScale [ca. 1:500.000]\$bVertical scale [ca. 1:100.000]
EX 6
Unstructured information
206 ##\$aScale 1:25.000 ; Gauss-Kruger projection (W 8° 42' 37" W 8° 42' 34" W 8° 31' 03" W 8° 31' 01" / N 41° 55' 01" N 41° 54' 58" N 41° 49' 37" N 41° 49' 34")
Structured information
206 0#\$bScale 1:25.000\$cGauss-Kruger projection\$dW 8° 42' 37" W 8° 42' 34" W 8° 31' 03" W 8° 31' 01" / N 41° 55' 01" N 41° 54' 58" N 41° 49' 37" N 41° 49' 34"
EX 7
Unstructured information
206 ##\$aScale not given (RA 16 hr. 30 min. to 19 hr. 30 min. / Decl. -16° to -49° eq. 1950, epoch 1948).
Structured information
206 0#\$bScale not given\$eRA 16 hr. 30 min. to 19 hr. 30 min. / Decl. -16° to -49°\$feq. 1950, epoch 1948
Example of a celestial chart.

History

2005	Field issued/re-issued with corrections/additions.
2012	Align with ISBD.