231 DIGITAL FILE CHARACTERISTICS (NEW)

Field Definition

This field contains statements relating to the characteristics of a digital file, i.e. technical specifications relating to the digital encoding of text, image, audio, video, and other types of data in a resource. This information could also be recorded in field 215 (Physical Description) subfield $c (Other Physical Details).

Occurence

Optional. Repeatable.

Indicators

Indicator 1: blank (not defined)
Indicator 2: blank (not defined)

Subfields

$a   File type

   A general type of data content encoded in a computer file (EX 1, 2, 3). Repeatable.

$b   Encoding standard

   A schema, standard, etc., used to encode the digital content of a resource (EX 1, 2, 3). Repeatable.

$c   Version of encoding standard

   The version of the standard recorded in $b (EX 2). Repeatable.

$d   Details of encoding standard

   Details of the standard recorded in $b (EX 2). Repeatable.

$e   File size

   Number of bytes in a digital file (EX 2). Repeatable.

$f   Resolution

   The smallest measuring unit used to register data for a computer image, expressed as dots per inch, pixels per line, or lines per millimetre. It indicates the amount of detail found in one pixel of the image (EX 4). Repeatable.

$g   Regional encoding

   A code identifying the region of the world for which a digital file has been encoded on a carrier and preventing that carrier from being played on a player sold in a different region. (EX 3). Repeatable.

$h   Encoded bitrate

   The quantity of digital data that are conveyed or processed per unit of time, usually expressed using the bits per second unit or one of its multiples. (EX 1). Repeatable.

$2   Source

   A code identifying a controlled list of terms used as a source for the data, if any. Not repeatable.

$6   Interfield linking data

   Repeatable.

Notes on Field Contents

Multiple values from the same source vocabulary may be recorded in the same field in separate occurrences of subfields. Terms from different source vocabularies are recorded in separate occurrences of the field.

Related Fields

135   CODED DATA FIELD: ELECTRONIC RESOURCES

215   PHYSICAL DESCRIPTION

Especially $a *Specific material designation and extent of the item* and $c *Other physical details*.

336   TYPE OF ELECTRONIC RESOURCE NOTE

337   SYSTEM REQUIREMENTS NOTE (ELECTRONIC RESOURCES)

Examples

EX 1:   231 ##$aAudio file$bmp3$g32 kbps

EX 2:   231 ##$aFichier texte$bEPUB$c3.0$d$dformat fixe$e1249 Ko

EX 3:   231 ##$aVideo file$bDVD video$gregion 2

EX 4:   231 ##$aFile di immagini$bJPEG$f3.6 megapixel

EX 5:   231 ##$aImage file$bJPEG$e3 Mo$2rda

EX 6:   231 ##$aImage file$2rda
          231 ##$bQ2195$e3 Mo$2wikidata

The term used for the *File type* is taken from RDA list of terms, whereas the one used for the *Encoding format* comes from Wikidata (*http://www.wikidata.org*). As subfield $2 (*Source*) is not repeatable, the information was split and recorded in two separate 231 fields.

EX 7:   231 ##$aText file$bASCII$2rda

EX 8:   231 ##$aProgram file$bFORTRAN$c95