

Bib-1 Attribute Set

Updated: March 20014

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Bib-1 Use Attributes

Name	Value	Semantics
Personal name	1	See bib1 semantics
Corporate name	2	
Conference name	3	
Title	4	
Title series	5	
Title uniform	6	
ISBN	7	
ISSN	8	
LC card number	9	
BNB card no.	10	
BGF number	11	
Local number	12	
Dewey classification	13	
UDC classification	14	
Bliss classification	15	
LC call number	16	
NLM call number	17	
NAL call number	18	
MOS call number	19	
Local classification	20	
Subject heading	21	
Subject Rameau	22	
BDI index subject	23	
INSPEC subject	24	
MESH subject	25	

PA subject	26
LC subject heading	27
RVM subject heading	28
Local subject index	29
Date	30
Date of publication	31
Date of acquisition	32
Title key	33
Title collective	34
Title parallel	35
Title cover	36
Title added title page	37
Title caption	38
Title running	39
Title spine	40
Title other variant	41
Title former	42
Title abbreviated	43
Title expanded	44
Subject precis	45
Subject rswk	46
Subject subdivision	47
No. nat'l biblio.	48
No. legal deposit	49
No. govt pub.	50
No. music publisher	51
Number db	52
Number local call	53
Code--language	54
Code--geographic area	55
Code--institution	56
Name and title *	57
Name geographic	58
Place publication	59
CODEN	60
Microform generation	61
Abstract	62

Note	63	
Author-title	1000	
Record type	1001	
Name	1002	
Author	1003	
Author-name personal	1004	
Author-name corporate	1005	
Author-name conference	1006	
Identifier--standard	1007	
Subject--LC children's	1008	
Subject name -- personal	1009	
Body of text	1010	
Date/time added to db	1011	
Date/time last modified	1012	
Authority/format id	1013	
Concept-text	1014	
Concept-reference	1015	
Any	1016	
Server-choice	1017	
Publisher	1018	
Record-source	1019	
Editor	1020	
Bib-level	1021	
Geographic-class	1022	
Indexed-by	1023	
Map-scale	1024	
Music-key	1025	
Related-periodical	1026	
Report-number	1027	
Stock-number	1028	
Thematic-number	1030	
Material-type	1031	
Doc-id	1032	<i>Original semantics (changed 8/97, see extensions below).</i> A persistent identifier, or Doc-ID, assigned by a server, that uniquely identifies a document on that server.
Host-item	1033	

Content-type	1034
Anywhere	1035
Author-Title-Subject	1036

Bib-1 Use Attributes -- Extensions (beyond 1995 version)

Name	Value	Semantics
Doc-id(<i>semantic definition change</i>)	1032	<i>The following semantic definition was adopted at the August 1997 ZIG meeting. An identifier or Doc-ID, assigned by a server, that uniquely identifies a document on that server. May or may not be persistent. May be, for example, a URL.</i>
SICI	1037	The Serial Item and Contribution Identifier; based on NISO Z39.56, which provides an extensible mechanism for the creation of a code which uniquely identifies either an issue of a serial title or a contribution (e.g., article) within a serial regardless of distribution medium (paper, electronic, microform, etc.).
<i>Following (thru 1083 submitted by German Library)</i>		
Abstract-language	1038	The language code or the language name for the language of the abstract. Entries are made in accordance with ISO 639-1988 'Code for the representation of names of language'. The 2-digit letter code is used as language code, the English term is used as language name.
Application-kind	1039	Information (code or full text) about the patent application.
Classification	1040	The code or the section heading of a classification system. The attribute is a general (broad) attribute for codes which are not existing as a search key.
Classification-basic	1041	The code or the section heading of the Dutch classification system.
Classification-local-record	1042	The code or the section heading of a classification system assigned to a holding record.
Enzyme	1043	The enzyme code or the enzyme nomenclature. Codes are assigned by the 'Enzyme Commission' in the 'International Union of Biochemistry'.
Possessing-institution	1044	A code (library symbol or other code) of the institution which possesses the document. The codes are agreed upon between the partners.
Record-linking	1045	An alphabetical code which determines the type of linking.
Record-status	1046	Information about the status of the record, e.g. new, corrected, deleted, revised.
Treatment	1047	A statement (code or full text) describing subject aspects of the content.
Control-number-GKD	1048	

		The identification number of a corporate body name from the German authority file for corporate body names "Gemeinsame Koerper-schaftsdatei" (GKD).
Control-number-linking	1049	The unique identification number of the linked record. Attribute 'code-record-type' contains a code for the type of record which contains the 'control-number-linking' (b - bibliographical record, e - record for copy-specific data, n - authority record, l - holding record, p - record for cross references, v - full text). Attribute 'code-record-linking' contains a code which determines the type of linking.
Control-number-PND	1050	The identification number of a personal name from the German authority file for personal names "Personennamendatei" (PND).
Control-number-SWD	1051	The identification number of a subject heading from the German authority file for subject headings "Schlagwortnormdatei" (SWD).
Control-number-ZDB	1052	The identification number of a document in the German database for serials "Zeitschriftendatenbank" (ZDB).
Country-publication (country of Publication)	1053	The country code or the country name of the country where the document has been published. Entries are made according to ISO 3166 'Codes for the Representation of Names of Countries'. As country code a 2-digit letter code is used, as country name the English country name.
Date-conference (meeting date)	1054	The date of the conference or of another meeting.
Date-record-status	1055	The date on which the record status was assigned.
Dissertation- information	1056	Information about a dissertation thesis, or another publication connected with an academic degree.
Meeting-organizer	1057	The name of the organizer or the sponsor of a conference.
Note-availability	1058	Information about the availability of a document (delivery information).
Number-CAS-registry (CAS registry number)	1059	The 'Chemical Abstract Registry' number of the substance described in a document.
Number-document (document number)	1060	The publication number of the document (e.g. the number of the abstract in a secondary publication, or the number of the manuscript in a primary journal) provided that this number is not used as 'internal key' in the database. A publication number used as 'internal key' is entered in Attribute 12.
Number-local- accounting	1061	The account number of the document assigned by the accounting system.
Number-local- acquisition	1062	Document acquisition number assigned by the system.
Number-local-call- copy-specific	1063	The document's shelf number.
Number-of-reference (reference count)	1064	The number of literature references cited in a document.
Number-norm	1065	The number of a norm or standard.
Number-volume	1066	

		The number of single volumes of a multivolume publication, (year's) issues of serials, parts of multivolume publications, serials journals etc.
Place-conference (meeting location)	1067	The place where the conference or meeting was held.
Reference (references and footnotes)	1068	A literature reference from a document. The bibliographic data of a reference consists e.g. of a title, author, journal, publication year, volume and page information of the cited document.
Referenced-journal (reference work)	1069	The title of a journal cited in a document.
Section-code	1070	The section code of a subject classification.
Section-heading	1071	The section heading of a subject classification
Subject-GOO	1072	A subject heading from the 'Gemeenschappelijke Onderwerps Ontsluiting' (GOO).
Subject-name- conference	1073	A conference name used as subject heading.
Subject-name- corporate	1074	A corporate body name used as a subject heading.
Subject-genre/form <i>(Formerly "Subject- name-form" renamed August 2003)</i>	1075	A formal topical subject heading, e.g. collection of articles, handbook, source.
Subject-name- geographical	1076	A geographical/ethnographical subject heading.
Subject-- chronological <i>(formerly "Subject- name-chronological" renamed August 2003)</i>	1077	A chronological subject heading.
Subject--title <i>(formerly "Subject- name-title" renamed August 2003)</i>	1078	A title proper used as subject heading.
Subject--topical <i>(formerly "Subject- name-topical" renamed August 2003)</i>	1079	A topical subject heading.
Subject-uncontrolled	1080	An uncontrolled subject term. General (broad) attribute for subject terms not specified any further, existing as a search key.
Terminology-chemical (chemical name)	1081	The description of a chemical substance. This is either the name of the substance or a name from another classification system, e.g. enzyme code.
Title-translated	1082	The translation of a title.
Year-of-beginning	1083	The publication year of the first issue/volume of serial publications (journals, newspapers, etc.).
<i>Following (thru 1096) submitted by Danish National Library</i>		

<i>Authority, approved at January 1998 ZIG meeting</i>		
Year-of-ending	1084	The publication year of the last issue/volume of serial publications (journals, newspapers, etc.
Subject-AGROVOC	1085	A subject heading from the multilingual agricultural thesaurus from FAO.
Subject-COMPASS	1086	A subject heading from Computer Aided Subject System from British Library.
Subject-EPT	1087	A subject heading from European Pedagogical Thesaurus.
Subject-NAL	1088	A subject heading from National Agricultural Library.
Classification-BCM	1089	A classification number from British Catalogue of Music.
Classification-DB	1090	A classification number from Deutsche Bibliothek.
Identifier-ISRC	1091	ISRC. International standard recording code (ISO 3901).
Identifier-ISMN	1092	International standard music number (ISO 10957). ISMN
Identifier-ISRN	1093	ISRN. International standard technical report number (ISO 10444).
Identifier-DOI	1094	Digital Object Identifier.
Code-language-original	1095	A code that indicates the original language of the item.
Title-later	1096	A later version of title.

Following (1097 thru 1111) are Dublin Core Use attributes, originally approved at June 1998 ZIG meeting. These were re-affirmed at October 98 meeting, however, according to the decision at the meeting, the semantics (as well as mappings) are whatever a server decides. For detailed semantics of the Dublin Core elements, see [Description of Dublin Core Elements](#)

Name	Value
DC-Title	1097
DC-Creator	1098
DC-Subject	1099
DC-Description	1100
DC-Publisher	1101
DC-Date	1102
DC-ResourceType	1103
DC-ResourceIdentifier	1104
DC-Language	1105
DC-OtherContributor	1106
DC-Format	1107
DC-Source	1108
DC-Relation	1109
DC-Coverage	1110
DC-RightsManagement	1111

The following (1112 thru 1184) are GILS Use attributes, approved at the June 1998 ZIG meeting. The GILS Use Attributes correspond semantically to GILS Core Elements, described in the [GILS Z39.50 Specification Annex E](#).

Name	Value
Controlled Subject Index	1112
Subject Thesaurus	1113
Index Terms -- Controlled	1114
Controlled Term	1115
Spatial Domain	1116
Bounding Coordinates	1117
West Bounding Coordinate	1118
East Bounding Coordinate	1119
North Bounding Coordinate	1120
South Bounding Coordinate	1121
Place	1122
Place Keyword Thesaurus	1123
Place Keyword	1124
Time Period	1125
Time Period Textual	1126
Time Period Structured	1127
Beginning Date	1128
Ending Date	1129
Availability	1130
Distributor	1131
Distributor Name	1132
Distributor Organization	1133
Distributor Street Address	1134
Distributor City	1135
Distributor State or Province	1136
Distributor Zip or Postal Code	1137
Distributor Country	1138
Distributor Network Address	1139
Distributor Hours of Service	1140
Distributor Telephone	1141
Distributor Fax	1142
Resource Description	1143
Order Process	1144
Order Information	1145
Cost	1146
Cost Information	1147
Technical Prerequisites	1148

Available Time Period	1149
Available Time Textual	1150
Available Time Structured	1151
Available Linkage	1152
Linkage Type	1153
Linkage	1154
Sources of Data	1155
Methodology	1156
Access Constraints	1157
General Access Constraints	1158
Originator Dissemination Control	1159
Security Classification Control	1160
Use Constraints	1161
Point of Contact	1162
Contact Name	1163
Contact Organization	1164
Contact Street Address	1165
Contact City	1166
Contact State or Province	1167
Contact Zip or Postal Code	1168
Contact Country	1169
Contact Network Address	1170
Contact Hours of Service	1171
Contact Telephone	1172
Contact Fax	1173
Supplemental Information	1174
Purpose	1175
Agency Program	1176
Cross Reference	1177
Cross Reference Title	1178
Cross Reference Relationship	1179
Cross Reference Linkage	1180
Schedule Number	1181
Original Control Identifier	1182
Language of Record	1183
Record Review Date	1184

Following were approved at the October '98 ZIG meeting. These were proposed on behalf of [Music Libraries Online Project](#)

Name	Value	Semantics
Performer	1185	Names of the Performer/Conductor (e.g. Alfred Brendel)

Performer-Individual	1186	Individual name of a Performer/Conductor (e.g. Alfred Brendel)
Performer-Group	1187	Name of a performance group or ensemble (e.g. London Symphony Orchestra)
Instrumentation	1188	Musical instrument used in the work (e.g. Piano, Violin)
Instrumentation-Original	1189	Musical instrument used in the original arrangement of the piece
Instrumentation-Current	1190	Musical instrument used in the given arrangement of the piece
Arrangement	1191	Arrangement of the work (e.g. Piano Trio, String Quartet)
Arrangement-Original	1192	Arrangement of the original work (e.g. Piano Trio, String Quartet)
Arrangement-Current	1193	Arrangement of the given arrangement (e.g. Piano Trio, String Quartet)
Musical Key-Original	1194	Key of the original arrangement
Musical Key-Current	1195	Key of the current arrangement
Date-Composition	1196	Date of the original composition of the work
Date-Recording	1197	Date of the current recording of the work
Place-Recording	1198	Place where the recording was made (e.g. Royal Festival Hall)
Country-Recording	1199	Country where the recording was made (ISO)
Number-ISWC	1200	International Standard Work Code (ISO/TC 46/SC 9/WG)
Number-Matrix	1201	Matrix number of recording
Number-Plate	1202	Publisher's plate number
Classification-McColvin	1203	McColvin Classification Scheme
Duration	1204	Duration of the work (or estimated duration) in seconds
Number-Copies	1205	Number of copies available (in the case of searching for performance sets for an ensemble)
Musical Theme	1206	A representation of a musical theme either as string format agreed between target and origin (e.g. Plaine and Easie) or as an EXTERNAL
Instruments - total number	1207	Total number of instruments (e.g. for a quartet, value would be 4)
Instruments - distinct number	1208	Number of distinct instruments. (e.g. for a string quartet with two violins, 1 viola, 1 cello, value would be 3)

Following was approved at the August '99 ZIG meeting; proposed by Juha Hakala, Helsinki University Library.

Name	Value	Semantics
Identifier - URN	1209	Uniform Resource Name

Following was approved at the December 2000 ZIG meeting; proposed by TZIG.

Name	Value	Semantics

Sears Subject Heading|1210 | [Sears List of Subject Headings](#)

Following was approved at the October 2001 ZIG meeting; proposed by Dana Dietz on behalf of NISO SC AV.

Name	Value	Semantics
OCLC Number	1211	A sequential accession number assigned by OCLC as records are entered into OCLC WorldCat (the OCLC Online Union Catalog). Numbers are not re-used, but when records are merged, the old number is kept as a cross-reference to the new record.

The following are based on a proposal from NORZIG, March 2003, approved August 2003.

Name	Value	Definition	Syntax/reference	Area of use	Examples
Composition	1212	Type of composition [Mus]	Two letter Code. See MARC 21 008 pos.18-19	Searching for music (scores and sound recordings)	Blues: bl Opera: op
Intellectual level	1213	Target audience such as toddlers, preschools, etc.	One character Code. See MARC 21 008 pos.22	Limiting factor in literary searches	Adults: a Age 0 - 5: l Easyreader: q
EAN	1214	European article number (EAN)	A 13-digit number where 1-3: type of merchandise 4-12: ISBN minus check digit (if type is book) 13: check digit. See UNIMARC 073 \$a and NORMARC 025 \$a	Searching for specific items	A book with ISBN 82-03-15849-8 gets the EAN: 978820315490
NLC	1215	Canadian class. system	Code consisting of capital letter(s), digits and punctuation. See MARC 21 055	Subject search	HT154 M1679.18
CRCS	1216	CRCS (Computing Review Classification Scheme)	Code of form: X.n.m Where X is a capital letter, n and m etc. are digits and the full stops indicate the hierarchy. See MARC 21 084 \$a and \$2 and NORMARC 062 \$a	Subject search	Database theory: H.2.0
Nationality	1217	nationality (author)	Code consisting of two lowercase letters. See UNIMARC 7xx \$c and NORMARC 1xx \$j	Qualifying names	Norwegian: no
Equinox	1218	equinox (Map)	Name of equinox. See MARC 21 255 \$e	Limiting factor in searching for maps	eq.1950
Compression	1219	specific type of compression	MARC 21 856 \$c	Limiting search result	

Format	1220	electronic format	MARC 21 856 \$q	Limiting search result	
Subject - occupation	1221	Subject added entry - occupation	Index term. See MARC 21 656 \$a	Subject search	Biologist Teacher
Subject - function	1222	Subject added entry - function	Index term. See MARC 21 657 \$a	Subject search	
Edition	1223	Edition of document	Text. See MARC 21 250 \$a	Limiting search result	2.ed Special education ed.

The following, proposed by An Liu of the US Government Printing Office, was approved October 2007.

Name	Value	Definition	Syntax/reference	Examples
GPO Item Number	1224	An item number assigned by the U.S. Government Printing Office .Used to manage the distribution of publications to libraries within GPO's Depository Library System. An item number may be assigned to a category of publications, a series, or an individual title. The GPO item number is an agency-assigned data element. Numbers are assigned from the <i>List of Classes of United States Government Publications Available for Selection by Depository Libraries</i> maintained by GPO. (Not the same as the unique number that identifies each entry in the <i>Monthly Catalog of Government Publications</i> , nor is it an order number.)	MARC 21 tag 074	0334-C-01

The following, proposed by the Library of Congress, was approved March 2014.

Name	Value	Definition	Syntax/reference	Examples
Provider	1225	A generic, single index combining Â place, publisher, and date. (To avoid searching Â multiple indexes for publication/production information.)	<ul style="list-style-type: none"> • 257 \$a2 • 260 \$abcdefg3 • 264 \$abc3 • 270 \$270abcd 	<ul style="list-style-type: none"> • paris • Insight Press • 1979

The following (5000-10,000) reserves a block of values for private usage; they will never be assigned by the Z39.50 Maintenance Agency. Implementors may use these however they choose, they are not intended for interoperability -- different implementors may define them differently, and assignments of these values need not be reported to the Z39.50 Maintenance Agency.

	Value
Reserved for private usage	5000-10,000

Bib-1 Relation Attributes

Name	Value	Semantics
less than	1	See bib1 semantics
less than or equal	2	
equal	3	
greater or equal	4	
greater than	5	
not equal	6	
phonetic	100	
stem	101	
relevance	102	
AlwaysMatches	103	

Bib-1 Relation Attributes -- Extensions

Name	Value	Semantics
<i>Within (added by agreement at the August 1997 ZIG meeting)</i>	104	When this relation attribute is supplied the intent is to select records where the value of the access point as determined by the Use attribute is within the bounds specified by the term (where the term itself may be composed of several terms). A profile or implementor agreement may specify precisely what form a term should take when this relation attribute is used, and how the term specifies bounds. As an example, see the implementor agreement Linear Range Searching

Bib-1 Position Attributes

Name	Value	Semantics
first in field	1	See bib1 semantics
first in subfield	2	
any position in field	3	

Bib-1 Structure Attributes

Name	Value	Semantics
phrase	1	See bib1 semantics
word	2	
key	3	
year	4	
date (normalized)	5	
word list	6	

date (un-normalized)	100
name (normalized)	101
name (un-normalized)	102
structure	103
urx	104
free-form-text	105
document-text	106
local	number 107
string	108
numeric	string 109

Bib-1 Truncation Attributes

Name	Value	Semantics
right Truncation	1	See bib1 semantics
left Truncation	2	
left and right	3	
do not truncate	100	
process # in search term	101	
regExpr-1	102	
regExpr-2	103	

Bib-1 Truncation Attributes -- Extensions

Name	Value	Semantics
Z39.58 <i>(added at October, 1996 ZIG meeting)</i>	104	<p>Truncation as defined in Z39.58-1992, section 7.7.2: "Character Masking" (page 9); including subsections 7.7.2.1: "Variable number of characters", and 7.7.2.2: "Fixed number of characters". The rules governing the usage of this attribute are explicitly articulated as follows (if this is inconsistent with Z39.58, these rules take precedence).</p> <p>The character '?' (question mark) is used to mask a variable number of characters. It may be followed by a positive integer, i.e. one or more consecutive decimal digits (where the first is positive) in which the positive integer represented by the string of digits (beginning with the digit immediately following the '?', up to and not including the first non-digit character), indicates a range of characters to mask, from zero up to and including the specified integer.</p> <p>When '?' is not immediately followed by a positive decimal digit, it indicates an arbitrary number of characters to mask (from zero to a system defined limit).</p>

		The character '#' (pound or number sign) is used to mask a single character. Multiple consecutive occurrences of '#' may be used to indicate a precise number of characters to mask.
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Bib-1 Completeness Attributes

Name	Value	Semantics
incomplete subfield	1	See bib1 semantics
complete subfield	2	
complete field	3	

Rules pertaining to Bib-1 Attribute Combinations

- If a target does not support a given attribute list, it should fail the search and supply an appropriate diagnostic.
- A given attribute type may appear zero times, one time, or more than one time, in an attribute list.
- If an attribute type does not occur in an attribute list, then (in the absence of any prior understanding, either outside of the standard or via the Explain facility) the origin should not expect any particular default target behavior.
- If an attribute type occurs exactly once in an attribute list, then the attribute value specifies the preferred target behavior with respect to that attribute type.
- It is recommended that an attribute type not occur more than once in an attribute list, unless an associated "semantic action" is included (i.e. attributeValue selects 'complex').
- When attributeValue selects 'complex', 'semanticAction' may be included. SemanticAction is a sequence of integers; for bib-1, it is either a single integer or a sequence of two integers. For the first integer in the sequence, values are:
 1. May not substitute another attribute. If none in the list is supported, fail the search.
 2. May substitute another attribute, but only if none in the list is supported.
 3. May substitute another attribute at target discretion (even if one or more in the list is supported).

The second integer in the sequence is to be supplied if and only if there are multiple attributes in the list. Values are:

1. Select the first supported attribute in the list.
2. Select the best attribute in the list.