Unicorn Bath Profile Version 1.1
Z39.50 Server Configuration[1]

Server Information

Domain Name:	Assigned by Site
Database Name:	Unicorn
Port Number:	2200
Server Software Vendor:	Sirsi Corporation
Implementation ID:	Unicorn 2001 Bath Lvl 1
Z39.50 Protocol Version:	3
Preferred Message Size:	16,000 bytes
Maximum Record Size:	16,000 bytes

Encoding Definitions

The Z39.50 standard makes use of attributes to code a client's query so that the receiving server can process the query correctly. The six encoding definitions provisions for the standard are as follows:

1 *USE or INDEX* (Specifies which data field(s) the query should be processed to)

2 *RELATION* (Controls the order of numerical expression)

3 *POSITION* (Specifies the location of term(s) within the fields for matching query)

4 *STRUCTURE* (Specifies the structure of data in the query)

5 *TRUNCATION* (Specifies type of truncation processing for query)

6 *COMPLETENESS* (Specifies query processing by subfield)

Server Options Supported

General Options:	Search, Present, Scan, Sort, Delete Result Set, Named Result Sets
Attribute Type:	Type-1, Type-101
Element Set Names:	F (full), B (brief)
Record Syntaxes:	MARC 21, SUTRS, XML

Attribute Value Notes

Use Attributes

4	title	21	subject heading
31	date of publication	1003	author
1007	identifier-standard	1016	any

Relation Attribute

1	less than	2	less than or equal
3	equal	4	greater than or equal
5	greater than		

Position Attribute

1	first in field	3	any position in field

Structure Attribute

1	phrase	2	word[2]
4	year	6	word list
101	normalized name		

Truncation Attribute

1	right truncation	100	do not truncate

Completeness Attribute

1	incomplete subfield	3	complete subfield

Server Supported Bib-1 Attribute Table[3]

Bath Profile Version 1.1 Search Name[4]	Use	Relation	Position	Structure	Trun-cation[5]	Complete-ness
Author Search — Precision Match for Established Name Heading	1003	3	3	101	100	1
Title Search — Keyword	4	3	3	2	100	1
Subject Search — Keyword	21	3	3	2	100	1
Any Search — Keyword	1016	3	3	2	100	1
Author Search — Precision Match for Established Name Heading with Right Truncation	1003	3	3	101	1	1
Author Search — Keyword	1003	3	3	2	100	1
Author Search — Keyword with Right Truncation	1003	3	3	2	1	1
Author Search — Exact Match	1003	3	1	1	100	3
Title Search — Keyword with Right Truncation	4	3	3	2	1	1
Title Search — Exact Match	4	3	1	1	100	3
Title Search — First Words in Field	4	3	1	1	100	1
Title Search — First Characters in Field	4	3	1	1	1	1
Subject Search — Keyword with Right Truncation	21	3	3	2	1	1
Subject Search — Exact Match	21	3	1	1	100	3
Subject Search — First Words in Field	21	3	1	1	100	1
Subject Search — First Characters in Field	21	3	1	1	1	1
Any Search — Keyword with Right Truncation	1016	3	3	2	1	1
Standard Identifier Search	1007	3	1	1	100	1
Date of Publication Search	31	1,2,3,4,5	1	4	100	1

Server Supported Bib-1 Attribute Table[3]

Bath Profile Version 1.1 Search Name[4]	Use	Relation	Position	Structure	Trun-cation[5]	Complete-ness
Title Search — Unanchored Phrase	4	3	3	1	100	1
Subject Search — Unanchored Phrase	21	3	3	1	100	1
Any Search — Unanchored Phrase	1016	3	3	1	100	1

Bath Profile Version 1.1 Scan Name	Use	Position	Structure
Author — Exact Match	1003	1	1
Title — Exact Match	4	1	1
Title — Keyword	4	3	2
Subject — Exact Match	21	1	1
Subject — Keyword	21	3	2
Any — Keyword	1016	3	2

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[1] The configuration information included in this document reflects the Bath Profile Version 1.1 Level 1 (http://www.nlc-bnc.ca/bath/bp-current.htm) Z39.50 Server delivered as an option to libraries utilizing SIRSI's Unicorn® library management system. Organizations interested in implementing Z39.50 access to a SIRSI site should contact the individual site for particular custom configuration information.

[2] As per the requirements of the Bath Profile, the server will not process a multi-term structure "word" search term. Multi-word keyword searches must be encoded as single "word" terms combined with the boolean "AND" operator.

[3] The Unicorn Bath Profile Version 1.1 Z39.50 server also supports the attribute combinations supported by the Unicorn Standard Delivery server. This information can be found at: http://www.sirsi.com/Sirsipdfs/unicorn_z3950_server_configuration.pdf.

[4] MARC21 tag to search name mapping complies with the indexing recommendations associated with the Bath / Z Texas Profiles. Please refer to: http://www.unt.edu/wmoen/Z3950/MARC21Indexing/Z3950MARCIndexing.htm.

[5] The default truncation limit is 300 truncated terms. Libraries have the option of increasing this limit to 1,000 truncated terms. If a truncated search exceeds the truncation limit, the server returns a partial search result set comprised of records retrieved up to and including the truncation limit term along with an error diagnostic indicating the truncation limit has been exceeded.