



# Unicorn Bath Profile Version 1.1 Z39.50 Server Configuration<sup>1</sup>

<i>Server Information</i>
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

<i>Server Options Supported</i>
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

<i>Encoding Definitions</i>	
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 <i>USE</i> or <i>INDEX</i> (Specifies which data field(s) the query should be processed to)	2 <i>RELATION</i> (Controls the order of numerical expression)
3 <i>POSITION</i> (Specifies the location of term(s) within the fields for matching query)	4 <i>STRUCTURE</i> (Specifies the structure of data in the query)
5 <i>TRUNCATION</i> (Specifies type of truncation processing for query)	6 <i>COMPLETENESS</i> (Specifies query processing by subfield)

<i>Attribute Value Notes</i>	
<b>Use Attributes</b>	
4 title	21 subject heading
31 date of publication	1003 author
1007 identifier-standard	1016 any
<b>Relation Attribute</b>	
1 less than	2 less than or equal
3 equal	4 greater than or equal
5 greater than	
<b>Position Attribute</b>	
1 first in field	3 any position in field
<b>Structure Attribute</b>	
1 phrase	2 word <sup>2</sup>
4 year	6 word list
101 normalized name	
<b>Truncation Attribute</b>	
1 right truncation	100 do not truncate
<b>Completeness Attribute</b>	
1 incomplete subfield	3 complete subfield

## Server Supported Bib-1 Attribute Table<sup>3</sup>

Bath Profile Version 1.1 Search Name <sup>4</sup>	Use	Relation	Position	Structure	Truncation <sup>5</sup>	Completeness
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<sup>3</sup>

Bath Profile Version 1.1 Search Name <sup>4</sup>	Use	Relation	Position	Structure	Trun- cation <sup>5</sup>	Comple- 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

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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](http://www.sirsi.com/Sirsipdfs/unicorn_z3950_server_configuration.pdf).

<sup>4</sup> 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>.

<sup>5</sup> 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.