

**7Z39.50 OPAC Record Syntax Elements
Defined in the Z39.50 1995
Removed from Z39.50 2003**

This document presents the elements of the OPAC Record Syntax originally defined in Z39.50 to accommodate the exchange of holdings and status data. The table presents the elements and their structure. Following that is the ASN.1 that defined the OPAC Record Syntax. Subsequent work by the Z39.50 Implementors Group resulted in the Z39.50 Holdings Schema.

bibliographicRecord						
holdingsData	HoldingsRecord	marcHoldingsRecord				
		holdingsAndCirc	HoldingsAndCircData	typeOfRecord-- LDR 06		
				encodingLevel-- LDR 017		
				Format--007		
				receiptAcqStatus-- 008 06		
				generalRetention--008 12		
				Completeness--008 16		
				dateOfReport--008-- 26-31		
				nucCode--852 \$a		
				localLocation-- 852 \$b		
				shelvingLocation-- 852 \$c		
				callNumber--852 \$h -- and \$i		
				shelvingData--852 \$j -- thru \$m		
				copyNumber-- 852 \$t		
				publicNote--852 \$z		
				reproductionNote-- 843		
				termsUseRepro-- 845		
				enumAndChron-- all 85x, -- 86x		

OPAC Record Syntax Definition

				Volumes (repeats for each volume held)	Volume	enumeration
						chronology
						enumAndChron
				circulationData (repeats for each circulating item)	CircRecord	availableNow
						availabilityDate
						availableThru
						restrictions
						itemId
						renewable
						onHold
						enumAndChron
						Midspine
						temporaryLocation

```

RecordSyntax-opac
{Z39-50-recordSyntax opac (102)} DEFINITIONS ::=
BEGIN
IMPORTS InternationalString FROM Z39-50-APDU-1995;

OPACRecord ::= SEQUENCE {
    bibliographicRecord    [1] IMPLICIT EXTERNAL OPTIONAL,
    holdingsData           [2] IMPLICIT SEQUENCE OF HoldingsRecord OPTIONAL}

HoldingsRecord ::= CHOICE {
    marcHoldingsRecord     [1] IMPLICIT EXTERNAL,
    holdingsAndCirc        [2] IMPLICIT HoldingsAndCircData}

HoldingsAndCircData ::= SEQUENCE {
    -- the following elements are required to display
    -- holdings in conformance with NISO standards.
    typeOfRecord           [1] IMPLICIT InternationalString
OPTIONAL, -- LDR 06
    encodingLevel          [2] IMPLICIT InternationalString
OPTIONAL, -- LDR 017
    format                 [3] IMPLICIT InternationalString
OPTIONAL, -- 007 - 00-01
    receiptAcqStatus       [4] IMPLICIT InternationalString
OPTIONAL, -- 008 06
    generalRetention       [5] IMPLICIT InternationalString
OPTIONAL, -- 008 12
    completeness          [6] IMPLICIT InternationalString
OPTIONAL, -- 008 16
    dateOfReport           [7] IMPLICIT InternationalString
OPTIONAL, -- 008-- 26-31
    nucCode                [8] IMPLICIT InternationalString
OPTIONAL, -- 852 $a
    localLocation          [9] IMPLICIT InternationalString
OPTIONAL, -- 852 $b
    shelvingLocation       [10] IMPLICIT InternationalString
OPTIONAL, -- 852 $c
    callNumber             [11] IMPLICIT InternationalString
OPTIONAL, -- 852 $h-- and $i
    shelvingData           [12] IMPLICIT InternationalString
OPTIONAL, -- 852 $j-- thru $m
    copyNumber             [13] IMPLICIT InternationalString

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OPTIONAL, -- 852 $t
  publicNote      [14]  IMPLICIT InternationalString
OPTIONAL, -- 852 $z
  reproductionNote [15]  IMPLICIT InternationalString
OPTIONAL, -- 843
  termsUseRepro   [16]  IMPLICIT InternationalString
OPTIONAL, -- 845
  enumAndChron    [17]  IMPLICIT InternationalString
OPTIONAL, -- all 85x, -- 86x
  volumes         [18]  IMPLICIT SEQUENCE OF Volume
OPTIONAL, -- repeats for each volume held
  circulationData [19]  IMPLICIT SEQUENCE OF CircRecord
OPTIONAL - repeats for each circulating item.
}
Volume ::= SEQUENCE {
  enumeration      [1]  IMPLICIT InternationalString
OPTIONAL,
  chronology       [2]  IMPLICIT InternationalString
OPTIONAL,
  enumAndChron     [3]  IMPLICIT InternationalString
OPTIONAL }
CircRecord ::= SEQUENCE {
  availableNow     [1]  IMPLICIT BOOLEAN,
  availabilityDate [2]  IMPLICIT InternationalString
OPTIONAL,
  availableThru    [3]  IMPLICIT InternationalString
OPTIONAL,
  restrictions     [4]  IMPLICIT InternationalString
OPTIONAL,
  itemId           [5]  IMPLICIT InternationalString
OPTIONAL,
  renewable        [6]  IMPLICIT BOOLEAN,
  onHold           [7]  IMPLICIT BOOLEAN,
  enumAndChron     [8]  IMPLICIT InternationalString
OPTIONAL,
  midspine         [9]  IMPLICIT InternationalString
OPTIONAL,
  temporaryLocation [10] IMPLICIT InternationalString
OPTIONAL}
END

```