

Z39.50 Holdings Schema, Version 1.4 (November 2002)

With Mapping to MARC 21 Content Designation and Indication of Use by DanZIG Profile

This document contains the complete set of Z39.50 Holdings Schema elements. In addition, the tables below indicate MARC 21 Holdings Format content designation associated with Holdings Schema elements. The **danZIG Profile Specification v2002-06 r10** (3/15/2004) specifies the use of the Z39.50 Holdings Schema, and the tables below show the elements of the schema used by danZIG Profile.

HoldingsStructure

Element	Occ.	Description	Data Type	MARC 21	DanZIG
biblItemInfo - one of the following two:	[0,1]				X(B2) X(B3)
ActualBiblItem		the bibliographic record to which the holdings apply	External	004 - Control number for related bibliographic record (NR) ??	
TargetItemid		a unique identifier for the bibliographic record in the Z39.50 target's database	InternationalString	004 - Control number for related bibliographic record (NR)	X(B2) X(B3)
HoldingsStatements	0+	one holdings statement for each location	HoldingsStatement		X(B2) X(B3)
RemoteHoldingsData	0+	Z39.50 URL for alternative/additional sources of holdings information for this record	recordId (tagset G)		

HoldingsStatement

Element	Occ.	Description	Data Type	MARC 21	DanZIG
holdingsSiteLocation	1	location may be the leaf node of a hierarchy of locations. All locations back to the root are recursively included in SiteLocation for a single HoldingsStatement. What level of detail is given as to the location is a server decision.	SiteLocation	562 - Copy and version identification note (R) \$5 - Institution to which field applies (NR) 852 - Location (R)	X(B2) X(B3)

DateOfReport	[0,1]		dateTime (tagSet G)	005 - Date and time of latest transaction (NR)	
PublicationType	[0,1]	<i>Values:</i> infoNotAvailable (0), singlePart (1), multipart (2), serial (3)	Integer		
unionCatShelfMark	[0,1]	a shelfmark or call number for (all or any copies of) the bibliographic item as reported to a union catalogue	InternationalString	852 - Location (R) \$h - Classification part (NR) \$i - Item part (R) \$j - Shelving control number (NR) \$k - Call number prefix (R) \$l - Shelving form of title (NR) \$m - Call number suffix (R)	X(B2) X(B3)
localHoldings _ <i>at least one of the following two:</i>	1+	ESN other than B-1			X(B2) X(B3)
BibView		ESN B-2, B-3, B-4 only	BibPart		X(B2) X(B3)
CopyView		ESN C-1, C-2, C-3, C-4 only	CopyLocation		
numberOfTopBibParts	[0,1]	ESN B-2, B-3, B-4 only	Integer		
NumberOfCopies	[0,1]		Integer	008/17-19 - Number of copies reported	
UnionCatCompletenessDesignator	[0,1]	008/16 completeness designator for (all or any copies of) the item as reported to a union catalogue <i>Values:</i> infoNotAvailable(0), complete(1), incomplete(2), veryIncompleteOrScatted(3),	Integer	008/16 – Completeness	

		notApplicable(4)			
unionCatAcqStatusDesignator	[0,1]	008/06 acquisition status of (all or any copies of) the item as reported to a union catalogue <i>Values:</i> infoNotAvailableOrApplicable(0), other(1), completedOrCeased(2), onOrder(3), currentlyReceived(4), notCurrentlyReceived(5)	Integer	008/06 - Receipt or acquisition status	
unionCatRetentionDesignator	[0,1]	008/12 From ISO 10324 and NISO Z39.71 retention designator for (all or any copies of) the item as reported to a union catalogue <i>Values:</i> infoNotAvailable(0), other(1), asReplacedByUpdates(2), sampleIssueRetained(3), untilReplacedByPreservationFormat(4), untilReplacedByCumulationOrOther(5), limitedRetention(6), noRetention(7), permanentRetention(8)	Integer	008/12 - General retention policy	
unionCatReproductionNote	[0,1]	reproduction note for (all or any copies of) the item as reported to a union catalogue	InternationalString	843 - Reproduction note (R) \$n - Note about reproduction (R)	
unionCatLendingInfo	[0,1]	ILL or other external lending policy for (all or any copies of) the item as reported to a union catalogue	ServiceInfo	008/20 - Lending policy	X(B3)
unionCatReproductionInfo	[0,1]	reproduction service policy for (all or any copies of) the item as reported to a union catalogue	ServiceInfo	008/21 - Reproduction policy	
UnionCatTermsUseRepro	[0,1]	terms of use and reproduction note for (all or any copies of) the item as	InternationalString	845 - Terms governing use	

		reported to a union catalogue		and reproduction note (R) \$a - Terms governing use and reproduction (NR)	
SummaryReservationPolicy	[0,1]	reservation policy for (all or any copies of) the item as reported to a union catalogue	ServiceInfo		
SummaryReservationInfo	[0,1]	summary reservation information for (all or any copies of) the item in the holdingsStatement. Reservation information for a single copy is carried in CopyLocation; reservation information for individual circulating items is carried in Piece	ReservationInfo		
RemoteHoldings	[0,1]	Z39.50 URL for alternative/additional information about holdings of this item at this location	recordId (tagSet G)		
HoldingsNotes	[0,1]	notes about holdings of this item at this location	InternationalString		X(B3)

SiteLocation

Element	Occ.	Description	Data Type	MARC 21	DanZIG
targetLocationId	[0,1]		InternationalString	852 - Location (R) \$f - Coded location qualifier (R)	X(B2) X(B3)
InstitutionOrSiteId	[0,1]	852 \$a	InternationalString	852 - Location (R) \$f - Coded location qualifier (R)	
locationName	[0,1]	852 \$b	InternationalString	852 - Location (R) \$a - Location (NR)	

isilCode	[0,1]	according to ISO 15511 (draft)	InternationalString	852 - Location (R) \$f - Coded location qualifier (R)	X(B2) X(B3)
streetAddress	0+	a sequence of address lines	postalAddress (tagSet G)	852 - Location (R) \$e - Address (R)	
countryId	[0,1]	852 \$n; according to ISO 3166	country (tagSet G)	852 - Location (R) \$n - Country code (NR)	
regionId	[0,1]	non-authoritative region identifier	InternationalString		
NetworkAddress	[0,1]	host name/IP address [+ port]	networkAddress (tagSet G)	856 - Electronic location and access (R) \$a - Host name (R) \$b - Access number (R) \$d - Path (R) \$p - Port (NR) \$u - Uniform Resource Identifier (R)	X(B2) X(B3)
siteNotes	[0,1]	general note at site level	InternationalString	852 - Location (R) \$g - Non-coded location qualifier (R) \$x - Nonpublic note (R) \$z - Public note (R)	X(B2) X(B3)
SubLocation	[0,1]	The final child is the location for the item. A target may give locations as whatever level of detail it wishes [This maps onto 852 \$a plus multiple instances of \$b and/or \$c]	SiteLocation	852 - Location (R) \$b - Sublocation or collection (R)	

MoreInfo	[0,1]	A URL pointing to a site that provides more information about the location	InternationalString		
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BibPart

Element	Occ.	Description	Data Type	MARC 21	DanZIG
targetBibPartId	[0,1]	target's internal bib part id	InternationalString		X(B2) X(B3)
parentBibPartId	[0,1]	id of immediate parent of this bib part in a hierarchy of parts	InternationalString		
typeofUnitDesignator	[0,1]	Required for top-level parts only Values: infoNotAvailableOrApplicable ('0'), basic ('a'), supplement ('c'), index ('d')	InternationalString		
UnitName	[0,1]	title or supplied name describing a unit; captions for parts at lower levels are carried in enumeration and chronology	InternationalString	844 - Name of unit (NR) \$a - Name of unit (NR) 852 - Location (R) \$3 - Materials specified (NR)	
physicalFormDesignator	[0,1]		PhysicalFormInfo	007 - Physical description fixed field (NR) 842 - Textual physical form designator (NR) \$a Textual physical form designator (NR)	
BibPartLendingInfo	[0,1]	ILL or orther external lending policy for this BibPart	ServiceInfo		X(B2) X(B3)
BibPartReproductionInfo	[0,1]	ILL or orther external lending policy for this BibPart	ServiceInfo		X(B2) X(B3)

bibPartEnumeration	[0,1]	enumeration statement for this part only -- ESN B2 and B3	Enumeration		X(B3)
bibPartChronology	[0,1]	chronology statement for this part only -- ESN B2 and B3	Chronology		X(B3)
alternativeEnumeration	[0,1]	alternative enumeration statement for this part only	Enumeration		
alternativeChronology	[0,1]	alternative chronology statement for this part only	Chronology		
NumberOfChildBibParts	[0,1]	number of bib parts at the next lower level only	Integer		
childEnumChronSummary - one of the following:		summary chronology and enumeration of child parts			X(B2)
childEnumChronSummary-structured	[0,1]		SummaryEnumSeq		X(B2)
childEnumChronSummary-unstructured	[0,1]		InternationalString		
childCompletenessDesig	[0,1]	an indication of the level of completeness of the set of child parts of this part Values: infoNotAvailable (0), complete (1), incomplete (2), veryIncompleteOrScattered (3), notApplicable (4)	Integer		
bibPartNotes	[0,1]		InternationalString	852 - Location (R) \$z - Public note (R)	X(B2) X(B3)
childBibParts	0+		BibPart		
numberOfPieces	1	Only valid for ESN B-4	Integer		
BibPartPiece	0+	One bibPart may be associated with multiple pieces. All children of the part are implicitly included in those pieces. One piece is associated with one part and contains all the children of that bibPart. Exceptions should be described in notes on the piece. Only if ESN B-4	Piece		

CopyLocation

Element	Occ.	Description	Data Type	MARC 21	DanZIG
TargetCopyId	[0,1]		InternationalString		
CopyId	[0,1]		InternationalString		
Locator	[0,1]	a shelfmark, call number or electronic location for the copy or all pieces of the copy The client does not need to parse the call number, nor does the client need to know what classification scheme it is based on, so MARC21 subfield and indicator distinctions for 852 have been omitted. The server is expected to supply punctuation and spacing in the call number for display if needed	InternationalString		
copyDesignation	[0,1]		InternationalString	852 - Location (R) \$t - Copy number (NR)	
CopyPhysicalFormDesignator	[0,1]		PhysicalFormCode		
copySummaryEnumeration	[0,1]	only when Piece (including BibPart) is not included	SummaryEnumSeq		
CopyNumberOfPieces	[0,1]		Integer		
copyCompletenessDesignator	1	values as in HoldingsStatement	Integer		
CopyAcquisStatusDesignator	[0,1]	values as in HoldingsStatement	Integer		
copyRetentionDesignator	[0,1]	values as in HoldingsStatement	Integer		
CopyReproductionNote	[0,1]		InternationalString		
copyLendingInfo	[0,1]		ServiceInfo		
copyReproductionInfo	[0,1]		ServiceInfo		
copyTermsUseAndRepro	[0,1]		InternationalString		
CopyReservationPolicy	[0,1]	optional; only meaningful if the same policy applies to all pieces	ServiceInfo		
CopyReservationInfo	[0,1]		ReservationInfo		
DateOfReport	[0,1]		dateTime (tagSet G)		
DateOfCreation	[0,1]		dateTime (tagSet G)		

CopyNotes	[0,1]		InternationalString	852 - Location (R) \$z - Public note (R)	
copyLocationPiece	0+	only for ESN C-3, C-4	Piece		

Piece

Element	Occ.	Description	Data Type	MARC 21	DanZIG
targetPieceld	[0,1]		InternationalString	876 - Item information--basic bibliographic unit (R) \$a - Internal item number (NR) 877 - ITEM INFORMATION--SUPPLEMENTARY MATERIAL (R) 878 - ITEM INFORMATION--INDEXES (R)	
locator	[0,1]		InternationalString		
PieceDesignation	[0,1]		InternationalString	852 - Location (R) \$p - Piece designation (NR) 876 - Item information--basic bibliographic unit (R) \$p - Piece designation (R) 877 - ITEM INFORMATION--SUPPLEMENTARY MATERIAL (R) 878 - ITEM INFORMATION--INDEXES (R)	

temporaryLocation	[0,1]		InternationalString	876 - Item information--basic bibliographic unit (R) \$l - Temporary location (R) 877 - ITEM INFORMATION--SUPPLEMENTARY MATERIAL (R) 878 - ITEM INFORMATION--INDEXES (R)	
piecePhysicalFormDesignator	[0,1]		PhysicalFormCode		
pieceCircInfo	[0,1]		CircInfo	876 - Item information--basic bibliographic unit (R) \$j - Item status (R) 877 - ITEM INFORMATION--SUPPLEMENTARY MATERIAL (R) 878 - ITEM INFORMATION--INDEXES (R)	
pieceValue	[0,1]		IntUnit	876 - Item information--basic bibliographic unit (R) \$c - Cost (R) 877 - ITEM INFORMATION--SUPPLEMENTARY MATERIAL (R) 878 - ITEM INFORMATION--INDEXES (R)	
lastActivityDate	[0,1]		dateTime (tagSet G)		

PieceNotes	[0,1]		InternationalString	852 - Location (R) \$q - Piece physical condition (NR) 852 - Location (R) \$z - Public note (R) 876 - Item information--basic bibliographic unit (R) \$z - Public note (R) 877 - ITEM INFORMATION--SUPPLEMENTARY MATERIAL (R) 878 - ITEM INFORMATION--INDEXES (R)	
PieceBibPart	[0,1]	only when ESN C-4	BibPartAndParents		
Copy	[0,1]	only when ESN B-4	CopyLocation		

BibPartAndParents

Element	Occ.	Description	Data Type		
BibPartInfo	1		BibPart		
parentBibPartInfo	[0,1]	parents are included primarily to enable a coherent enum/chron for the part to be assembled. The parent may also include additional useful information	BibPartAndParents		

SummaryEnumSeq

Element	Occ.	Description	Data Type	MARC 21	DanZIG
TargetSequenceId	[0,1]	Target's internal summary enumeration sequence id	InternationalString		X(B2)
PrimaryEnum	1	Enumeration and chronology in primary numbering scheme	SummaryEnum	853 – Captions and pattern--basic bibliographic unit (R) \$a – f: Levels of	X(B2)

				enumeration (NR) 853 - Captions and pattern--basic bibliographic unit (R) \$i - First level of chronology (NR) 854 - CAPTIONS AND PATTERN--SUPPLEMENTARY MATERIAL (R) 855 - CAPTIONS AND PATTERN--INDEXES (R)	
AlternativeEnum	[0,1]	Enumeration and chronology in alternative numbering scheme	SummaryEnum	853 – Captions and pattern--basic bibliographic unit (R) \$g – h: Alternative numbering scheme, first level of enumeration (NR) \$m - Alternative numbering scheme, chronology (NR) 854 - CAPTIONS AND PATTERN--SUPPLEMENTARY MATERIAL (R) 855 - CAPTIONS AND PATTERN--INDEXES (R)	

SummaryEnum

Element	Occ.	Description	Data Type	MARC 21	DanZIG
StartingEnum	[0,1]	Starting enumeration	Enumeration		X(B2)
StartingChron	[0,1]	Starting chronology	Chronology	853 – Captions and pattern--basic bibliographic unit	X(B2)

				(R) \$i - First level of chronology (NR) 854 - CAPTIONS AND PATTERN-- SUPPLEMENTARY MATERIAL (R) 855 - CAPTIONS AND PATTERN-- INDEXES (R)	
EndingEnum	[0,1]	Ending enumeration	Enumeration		X(B2)
EndingChron	[0,1]	Ending chronology	Chronology		X(B2)
unstructuredSummaryEnum	[0,1]	Unstructured statement of summary chronology and enumeration	InternationalString	866 - Textual holdings--basic bibliographic unit (R) \$a - Textual string (NR) 867 - TEXTUAL HOLDINGS-- SUPPLEMENTARY MATERIAL (R) 868 - TEXTUAL HOLDINGS-- INDEXES (R)	

Enumeration

Element	Occ.	Description	Data Type	MARC 21	DanZIG*
EnumLevel	[0,1]	Level of enumeration	Integer		X(B2) X(B3)
EnumCaption	[0,1]	Caption to display with enumeration	InternationalString	853 - Captions and pattern--basic bibliographic unit (R) \$a – f: Levels of enumeration (NR) 854 - CAPTIONS AND PATTERN-- SUPPLEMENTARY	X(B2) X(B3)

				MATERIAL (R) 855 - CAPTIONS AND PATTERN-- INDEXES (R)	
specificEnumeration	1	Specific enumeration	InternationalString	863 - Enumeration and chronology-- basic bibliographic unit (R) 864 - ENUMERATION AND CHRONOLOGY-- SUPPLEMENTARY MATERIAL (R) 865 - ENUMERATION AND CHRONOLOGY-- INDEXES (R)	X(B2) X(B3)
childEnumeration	0+	More detailed enumeration	Enumeration		X(B2) X(B3)

*DanZIG provides for 6 levels of enumeration

Chronology

Element	Occ.	Description	Data Type	MARC 21	DanZIG*
ChronLevel	[0,1]	Level of chronology	Integer		X(B2) X(B3)
ChronCaption	[0,1]	Caption to display with chronology	InternationalString	853 – Captions and pattern--basic bibliographic unit (R) \$i - First level of chronology (NR) 854 - CAPTIONS AND PATTERN-- SUPPLEMENTARY MATERIAL (R) 855 - CAPTIONS AND PATTERN--	X(B2) X(B3)

SpecificChronology	1	Specific chronology	InternationalString	INDEXES (R) 863 - Enumeration and chronology-- basic bibliographic unit (R) 864 - ENUMERATION AND CHRONOLOGY-- SUPPLEMENTARY MATERIAL (R) 865 - ENUMERATION AND CHRONOLOGY-- INDEXES (R)	X(B2) X(B3)
ChildChronology	0+	More detailed chronology	Chronology		X(B2) X(B3)

*DanZIG provides for 4 levels of chronology

CircInfo

Element	Occ.	Description	Data Type	MARC 21	DanZIG
CircStatus	1	Values: available (0), undefined (1), onOrder (2), notAvailable (3), onLoan (4), onLoanUntilRecall (5), inProcess (6), recalled (7), onHold (8), waitingToBeMadeAvailable (9), inTransit (10), claimedReturnedOrNeverBorrowed (11), lost (12), missingBeingTraced (13), supplied (14),	Integer		

		inBinding (15), inRepair (16), pendingTransfer (17), missingOverdue (18), withdrawn (19), weeded (20), unreserved (21), damaged (22), nonCirculating (23), other (24)			
statusStartingDate	[0,1]		dateTime (tagSet G)		
StatusEndingDate	[0,1]		dateTime (tagSet G)		
pieceUseRestrictions	[0,1]	Values: undetermined (0), notForLoan (1), inLibraryUseOnly (2), overnightOnly (3), useOnlyInControlledAccessRoom (4), renewalsNotPermitted (5), limitedCircShortLoanPeriod (6), limitedCircNormalLoanPeriod (7), limitedCircLongLoanPeriod (8), termLoan (9), semesterLoan (10), availableForSupplyWithoutReturn (11)	Integer		
PieceLendingInfo	[0,1]		ServiceInfo		
pieceReproductionInfo	[0,1]		ServiceInfo		
pieceReservationPolicy	[0,1]		ServiceInfo		
pieceReservationInfo	[0,1]		ReservationInfo		
CircNotes	[0,1]		InternationalString		

ReservationInfo

Element	Occ.	Description	Data Type	MARC 21	DanZIG
reservationQueueLength	1		Integer		
ReservationStatus	[0,1]	Values:	Integer		

		currentReservation (0), returnedReservation (1), onReservationShelves (2), expiredReservation (3)			
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ServiceInfo

Element	Occ.	Description	Data Type	MARC 21	DanZIG
servicePolicy	1	Values: unknown (0), will (1), -- will perform the service willNot (2) -- will not perform the service	Integer		X(B2) X(B3)
ServiceFee	[0,1]	General or exact price charged for the service	IntUnit		X(B2) X(B3)
CopyrightFee	[0,1]	A copyright fee associated with the service	IntUnit		
expectedDispatchDate	[0,1]	Date material is expected to be available for dispatch	dateTime (tagSet G)		X(B2) X(B3)
ServiceNotes	[0,1]	Terms of service (lending use restrictions, etc.)	InternationalString		X(B2) X(B3)

PhysicalFormInfo

Element	Occ.	Description	Data Type	MARC 21	DanZIG
FormCode	[0,1]	Value to be taken from ANSI/NISOZ39.71: Holdings Statements for Bibliographic Items (http://www.niso.org/standards/resources/z39-71.pdf) , table 3.3, Physical Form Designators.	InternationalString		
FormText	[0,1]	an uncontrolled text string	InternationalString		

IntUnit

Element	Occ.	Description	Data Type	MARC 21	DanZIG
Value	1	Amount	Integer	876 - Item information--basic bibliographic unit (R)	

				\$c - Cost (R)	
UnitSystem	1	Value always = z3950	InternationalString		
UnitType	1	When IntUnit is used for currency: value always = iso4217-1990	InternationalString		
Unit	1	Currency code	InternationalString		
ScaleFactor	1	An integer scale factor, base 10	InternationalString		