Schema documentation for hlds.xsd

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Namespace: ""

Schemas

Main schema hlds.xsd

Namespace	No namespace
Annotations	Elements and types for hybrid logic dependency semantics (HLDS) constructs.
	The subset of hybrid logic terms used in HLDS is defined here. (The Java classes currently support a slightly larger subset.) To support flattening of these terms into elementary predications, the contents of the satisfaction operators and diamond relations (modal ops) are restricted, as described in detail below.
	Note that where a list of terms is allowed, these are implicitly conjoined; a conjunction operator is inserted upon loading, when necessary. LFs with disjunctive or optionality operators may also be specified.
	Nominals and variables may be given a type (or sort) listed in the types file, by appending the type to the name after a colon. Propositions whose names appear in the types file are also treated as typed.
Properties	attribute form default: unqualified
	element form default: unqualified
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd

Included schema tokens.xsd

Namespace	No namespace
Annotations	Definitions for tokens.

Properties	attribute form default: unqualified
	element form default: unqualified
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/tokens.xsd

Elements

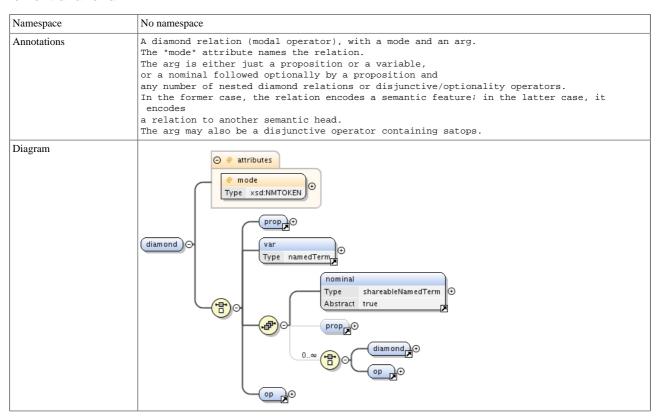
Element satop

Namespace	No namespace							
Annotations	A satisfaction operator, with a nominal and an arg. The nominal can either be a nominal atom, named by the "nom" attribute, or a nominal variable, named by the "nomvar" attribute. The nominal may be optionally marked as "shared" (see nominal def below). The arg optionally begins with a proposition, followed by any number of diamond relations or disjunctive/optionality operators, but must be non-empty.							
Diagram		prop. © diamond. ©						
Properties	content:	complex						
Used by	Element op							
	Complex Type	hldsPreds						
Model	(prop , (diamond	op)) diamond op						
Children	diamond, op, proj	p						
Instance		nomvar="" shared="" "">{1,1}	>					
Attributes	QName	Туре	Fixed	Default	Use			
	nom	typedFeature			optional			
	nomvar	typedFeature			optional			
	shared	xsd:boolean			optional			
Source	can either be named by the nominal def l of diamond re xsd:documentat <pre></pre> <pr< td=""><td>tion> mentation>A satisface a nominal atom, no "nomvar" attribute. below). The arg opti elations or disjunct tion> attion> xType> ce></td><td>med by the "nom The nominal maj conally begins w dive/optionality maxOccurs="unboand"/></td><td><pre>" attribute, or a n y be optionally mar ith a proposition, operators, but mus</pre></td><td>ked as "shared" (see followed by any number</td></pr<>	tion> mentation>A satisface a nominal atom, no "nomvar" attribute. below). The arg opti elations or disjunct tion> attion> xType> ce>	med by the "nom The nominal maj conally begins w dive/optionality maxOccurs="unboand"/>	<pre>" attribute, or a n y be optionally mar ith a proposition, operators, but mus</pre>	ked as "shared" (see followed by any number			

Element prop

Namespace	No namespace					
Annotations	A named proposi	A named proposition.				
Diagram	prop attributes Prop O					
Properties	content:	complex				
Used by	Elements diamond, satop					
	Complex Type hldsFeatVals					
Attributes	QName	Туре	Fixed	Default	Use	
	name	token			required	
Source	<pre><xsd:element name="prop"></xsd:element></pre>					
Schema location	file:/zusatz/Magiste	r/openCCG/openccg	g/grammars/hlds.xsd			

Element diamond



Properties	content:	complex			
Used by	Elements diamond, op, satop				
Model	prop var (nominal , prop{0,1} , (diamond op)) op				
Children	diamond, nominal, op, prop, var				
	<pre><diamond mode=""> <pre></pre></diamond></pre>	1}			
Attributes	QName	Туре	Fixed	Default	Use
	mode	xsd:NMTOKEN			required
Source	1				on or a variable, ted diamond relation encodes r semantic head.
Schema location	file:/zusatz/Magister/op	enCCG/openccg/gramm	nars/hlds.xsd		

Element var

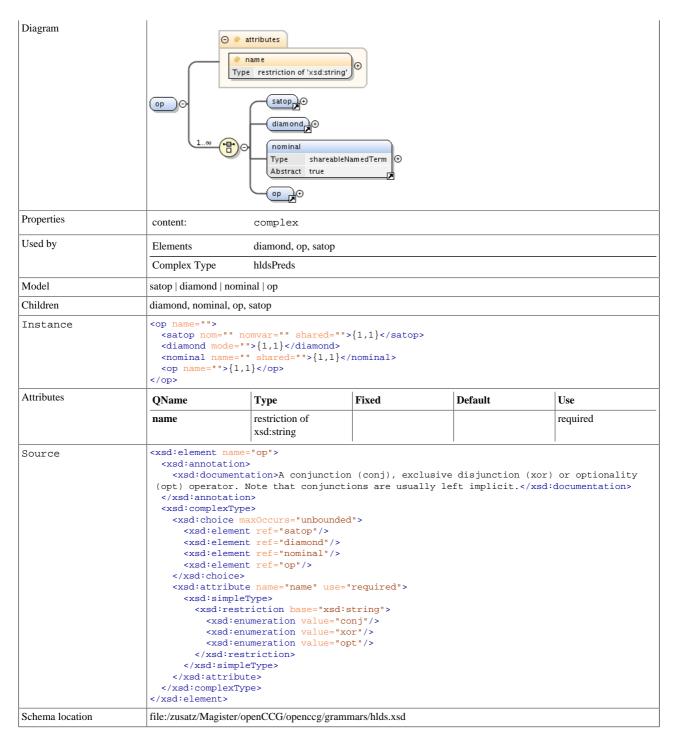
Namespace	No namespace					
Annotations	A variable over HLDS terms.					
Diagram	var Type namedTerm	o namedTerm o attributes rame Type typedFeature				
Туре	namedTerm					
Properties	content:	complex				
Used by	Element diamond					
	Complex Type	hldsFeatVals				
Attributes	QName	Туре	Fixed	Default	Use	
	name	typedFeature			required	
Source	<pre><xsd:element name="var" type="namedTerm"></xsd:element></pre>					
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd					

Element nominal

Namespace	No namespace					
Annotations	The "shared" attended provides a reference multiple alternation	A nominal term, either an atom or a variable. The "shared" attribute indicates that the nominal term provides a reference to a node that is a shared part of multiple alternatives, rather than being a subordinated or coordinated reference.				
Diagram	nominal Type shareableNa Abstract true	shareableNamedTerm inamedTerm inamedTerm				
Туре	shareableNamedTer	m				
Type hierarchy	namedTerm shareableName	dTerm				
Properties	content:	complex				
Used by	Elements Complex Type	diamond, op hldsFeatVals				
Attributes	QName	Туре	Fixed	Default	Use	
	name	typedFeature			required	
	shared	xsd:boolean			optional	
Source	<pre><xsd:annotatio< td=""><td>ntation>A nominal ter cates that the nomina multiple alternative d:documentation></td><td>m, either an atom ll term provides a</td><td>or a variable. Th</td><td>de that is a</td></xsd:annotatio<></pre>	ntation>A nominal ter cates that the nomina multiple alternative d:documentation>	m, either an atom ll term provides a	or a variable. Th	de that is a	
Schema location	file:/zusatz/Magister	/openCCG/openccg/gramm	mars/hlds.xsd			

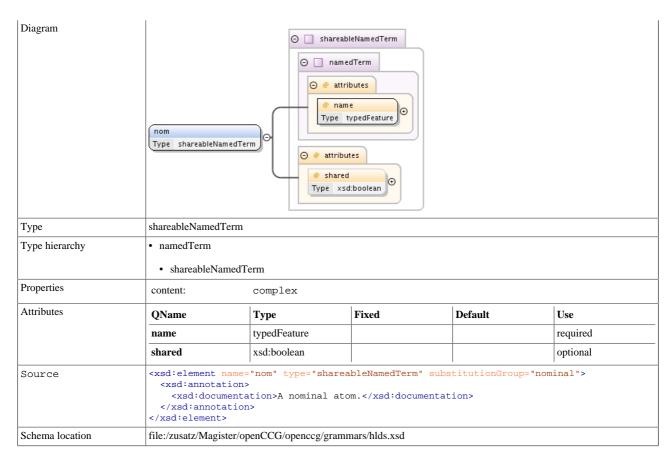
Element op

Namespace	No namespace
	A conjunction (conj), exclusive disjunction (xor) or optionality (opt) operator.
	Note that conjunctions are usually left implicit.



Element nom

Namespace	No namespace
Annotations	A nominal atom.



Element nomvar

Namespace	No namespace				
Annotations	A nominal var	iable.			
Diagram	nomvar Type shareableNa	○ name ○ e attr e nam Type	typedFeature ⊕		
Type	shareableNamed	Term			
Type hierarchy	namedTerm shareableNa	nmedTerm			
Properties	content:	complex			
Attributes	QName	Туре	Fixed	Default	Use
	name	typedFeature			required
	shared	xsd:boolean			optional
Source	<pre><xsd:element name="nomvar" substitutiongroup="nominal" type="shareableNamedTerm"></xsd:element></pre>				
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd				

Complex Types

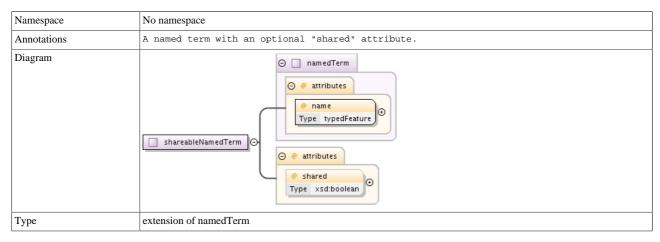
Complex Type hldsPreds

Namespace	No namespace
Annotations	Typically one or more satisfaction operators, encoding the semantics associated with a category. Exclusive disjunctions (xor) are also allowed.
Diagram	hldsPreds O 1 Satop O OP OP
Model	satop op
Children	op, satop
Source	<pre> <xsd:complextype name="hldsPreds"></xsd:complextype></pre>
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd

Complex Type namedTerm

Namespace	No namespace				
Annotations	A term with a name.				
Diagram	□ namedTerm ⊙	o attributes name Type typedFeature			
Used by	Element var				
	Complex Type	shareableNamedTerm	l		
Attributes	QName	Type	Fixed	Default	Use
	name	typedFeature			required
Source	<pre><xsd:complextype name="namedTerm"></xsd:complextype></pre>				
Schema location	file:/zusatz/Magister/	openCCG/openccg/gram	mars/hlds.xsd		

Complex Type shareableNamedTerm



Type hierarchy	• namedTerm				
	shareableNa	medTerm			
Used by	Elements	nom, nominal, nor	nvar		
Attributes	QName	Type	Fixed	Default	Use
	name	typedFeature			required
	shared	xsd:boolean			optional
Source	<pre><xsd:annotal <="" <xsd:comple="" <xsd:documental="" <xsd:extel="" pre="" xsd:annotal="" xsd:att="" xsd:comple<=""></xsd:annotal></pre>	<pre>snared</pre>			
Schema location	file:/zusatz/Magis	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd			

Complex Type hldsFeatVals

Namespace	No namespace
Annotations	The possible values of an LF feature, i.e., a nominal (atom or variable), proposition, or variable (over HLDS terms).
Diagram	nominal Type shareableNamedTerm Abstract true proppo var Type namedTerm
Model	nominal prop var
Children	nominal, prop, var
Source	<pre><xsd:complextype name="hldsFeatVals"></xsd:complextype></pre>
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd

Simple Types

Simple Type token

Namespace	No namespace
Annotations	A 'token' as defined here is a string with no white space, for easy parsing, but otherwise more flexible than a NMTOKEN.
Diagram	token 🗇 wsd:string
Type	restriction of xsd:string
Facets	pattern \S+
Used by	Attribute prop/@name
Source	<pre><xsd:simpletype name="token"> <xsd:annotation> <xsd:documentation>A 'token' as defined here is a string with no white space, for easy parsing, but otherwise more flexible than a NMTOKEN.</xsd:documentation> </xsd:annotation></xsd:simpletype></pre>

Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/tokens.xsd
	<pre><xsd:pattern value="\S+"></xsd:pattern> </pre>
	<pre><xsd:restriction base="xsd:string"></xsd:restriction></pre>

Simple Type typedFeature

Namespace	No namespace
Annotations	Feature variables with optional type.
Diagram	typedFeature — xsd:string
Туре	restriction of xsd:string
Facets	pattern \S+(:\S+)?
Used by	Attributes namedTerm/@name, satop/@nom, satop/@nomvar
Source	<pre><xsd:simpletype name="typedFeature"></xsd:simpletype></pre>
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/tokens.xsd

Simple Type listOfTokens

Namespace	No namespace
Diagram	listOfTokens ⊕ token ⊕
Туре	list of token
Source	<pre><xsd:simpletype name="listOfTokens"> <xsd:list itemtype="token"></xsd:list> </xsd:simpletype></pre>
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/tokens.xsd

Attributes

Attribute prop/@name

Namespace	No namespace	
Туре	token	
Properties	use:	required
Facets	pattern	\S+
Used by	Element	prop
Source	<xsd:attribute nam<="" td=""><td>ne="name" type="token" use="required"/></td></xsd:attribute>	ne="name" type="token" use="required"/>
Schema location	file:/zusatz/Magister/op	penCCG/openccg/grammars/hlds.xsd

Attribute namedTerm/@name

Namespace	No namespace
Туре	typedFeature
Properties	use: required
Facets	pattern \S+(:\S+)?
Used by	Complex Type namedTerm
Source	<pre><xsd:attribute name="name" type="typedFeature" use="required"></xsd:attribute></pre>
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd

Attribute shareableNamedTerm/@shared

Namespace	No namespace
Туре	xsd:boolean
Properties	content: simple
Used by	Complex Type shareableNamedTerm
Source	<pre><xsd:attribute name="shared" type="xsd:boolean"></xsd:attribute></pre>
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd

Attribute op/@name

Namespace	No namespace
Type	restriction of xsd:string
Properties	use: required
Facets	enumeration conj, xor, opt
Used by	Element op
Source	<pre><xsd:attribute name="name" use="required"></xsd:attribute></pre>
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd

Attribute diamond/@mode

Namespace	No namespace	
Туре	xsd:NMTOKEN	
Properties	use: required	
Used by	Element diamond	
Source	<pre><xsd:attribute name="mode" type="xsd:NMTOKEN" use="required"></xsd:attribute></pre>	
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd	

Attribute satop/@nom

Namespace	No namespace	
Туре	typedFeature	
Properties	content:	simple
Facets	pattern	\S+(:\S+)?
Used by	Element	satop
Source	<pre><xsd:attribute name="nom" type="typedFeature"></xsd:attribute></pre>	
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd	

Attribute satop/@nomvar

Namespace	No namespace		
Туре	typedFeature		
Properties	content:	simple	
Facets	pattern	\S+(:\S+)?	
Used by	Element	satop	

Source	<pre><xsd:attribute name="nomvar" type="typedFeature"></xsd:attribute></pre>	
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd	

Attribute satop/@shared

Namespace	No namespace	
Type	xsd:boolean	
Properties	content: simple	
Used by	Element satop	
Source	<pre><xsd:attribute name="shared" type="xsd:boolean"></xsd:attribute></pre>	
Schema location	file:/zusatz/Magister/openCCG/openccg/grammars/hlds.xsd	