

– top

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gistTop

gist 7.0 top

Base URI : <http://ontologies.semanticarts.com/gistTop>
Version URI : <http://ontologies.semanticarts.com/gistTop7.0>

Namespaces

gist <http://ontologies.semanticarts.com/gist>

Imports

gist:hasA [IF](gist:of)

The subject exclusively has or possesses the object, if the object does not have independent existence.

rdfs:comment

EXAMPLE: a table has an edge, a car has weight (which cannot exist unless the car exists).

rdfs:comment

NOTE: Cascading delete.

gist:hasPart [T](gist:of)

The transitive version of hasDirectPart

gist:hasDirectPart (gist:directPartOf)

The relationship between a whole and a part where the part has independent existence.

rdfs:comment

NOTE: Use this property to directly associate parts. hasPart is the transitive version.

rdfs:comment

NOTE: No cascading delete.

gist:produces

The subject creates the object.

rdfs:comment

EXAMPLE: a task produces a deliverable.

gist:hasMember (gist:memberOf)

Denotes gist:Collection Relates a #Collection to its member individuals.

gist:Collection

(N) gist:hasMember some owl:Thing

rdfs:comment

EXAMPLE: a jury, deck of cards, some books

gist:nameBearing

Relates an individual to a causal name.

rdfs:comment

NOTE: For more formal use, consider using a sub property of the object property #identifiedBy.

gist:SocialBeing

A Person or an Organization.

rdfs:comment

NOTE: Includes anything that can be partyTo an Agreement (e.g. Contract). But not all SocialBeing(s) can be parties to all Agreement(s). For example, minors can be beneficiaries but perhaps not primary signatories on contracts.

Equivalent to

— OR —

gist:Organization

An entity that comes into existence for some specific purpose.

rdfs:comment

NOTE: Organizations differ in many ways, formal / informal, legal / non-legal, has members / no members

gist:Person

A member of homo sapiens, living or dead.

rdfs:comment

NOTE: With open world you never know if someone has died.

rdfs:comment

NEGATIVE EXAMPLE: fictitious characters

gist:Category

Something used to categorize things, informally a 'bucket'.

rdfs:comment

EXAMPLE: Tags used in Wikionomics; things that can be thought of as types are usually Categories.

rdfs:comment

NOTE: Often a 'bucket' can be modeled either as an owl:Class or as a gist:Category. Use the latter if you don't care much about the formal structure of the different types, or if there is a whole hierarchy of types that are going to be managed by a different group separate from the ontology developers. The formal structure may be defined elsewhere and linked to, if necessary.

gist:Collection

Any identifiable grouping of instances. For instance a jury is a collection of people. A note is (an ordered) collection of segments

rdfs:comment

NOTE: A Collection is another kind of bucket, like owl:Class and gist:Category. Use Collection, when fundamentality

rdfs:comment

EXAMPLE: A jury, a group of documents, a financial ledger which is a collection of entries on a ledger.

gist:Content

Documents, programs, images and the like. Categories are not content until they are written down.

gist:IntellectualProperty

A work, invention or concept, independent of its being expressed in text, audio, video, image or live performance. For literature this could be called the "idea" except that "work" is a highly overloaded term (expenditure of energy, resource consumption, etc.). Often the first expression precedes our recognition of the IP, but subsequent expressions are known to be derivatives of the IP, even if they are expressions to expression translations (or copies). IP can also be tacit knowledge, knowhow or skill. Also includes Brands

gist:Intention

Goal, desire, aspiration. This is the "teleologic" aspect of the system that indicates things are done with a purpose.

gist:Language

A recognized, organized set of symbols and grammar.

gist:Magnitude

A scalar value which is either measured, estimated or set as a reference value. Magnitudes of the same dimensional type (i.e., duration or electric current) can be compared with a greater than or less than operator, but can still differ in their relationToTheWorld type (i.e., you can compare actuals to estimates or references as long as the dimension is the same).

gist:PhysicalIdentifiableItem

You could at least in principle put an RFID tag on members of this class. Physical things are made of something, e.g., statues are made of bronze.

gist:PhysicalSubstance

Non corporeal material. That is, "stuff" which can be divided in half and still retain its essence (i.e., water, pencil-ink and even, prior bacteria except for those very rare cases where someone is studying an individual bacterium).

gist:Place

Locatable location

gist:TimeInstant

A point on a time line. Could be a literal instant (as in 12:25:0000 January 1, 2008), or a broader but still single point in time (January 1, 2008). Time and dates are in iso:dateTime format in Universal Time. Our identity criteria require that something has (refers to) this instance

gist:TimeInterval

A specific interval on a time line with start and end Timeinstants and a Duration.

gist:UnitOfMeasure

The primitive units can be converted, the complex units (also class class for all units of measure, for conversion of magnitudes. Each unit has a base unit and a conversion factor to the base. The bases are from SI. This is the number you multiply a Unit by to get to base or divide by to get from base. So the convertToBase for inch is 0.0254 to get you to the base (meter)

gist:PhysicalThing

Something that takes up space and has weight.

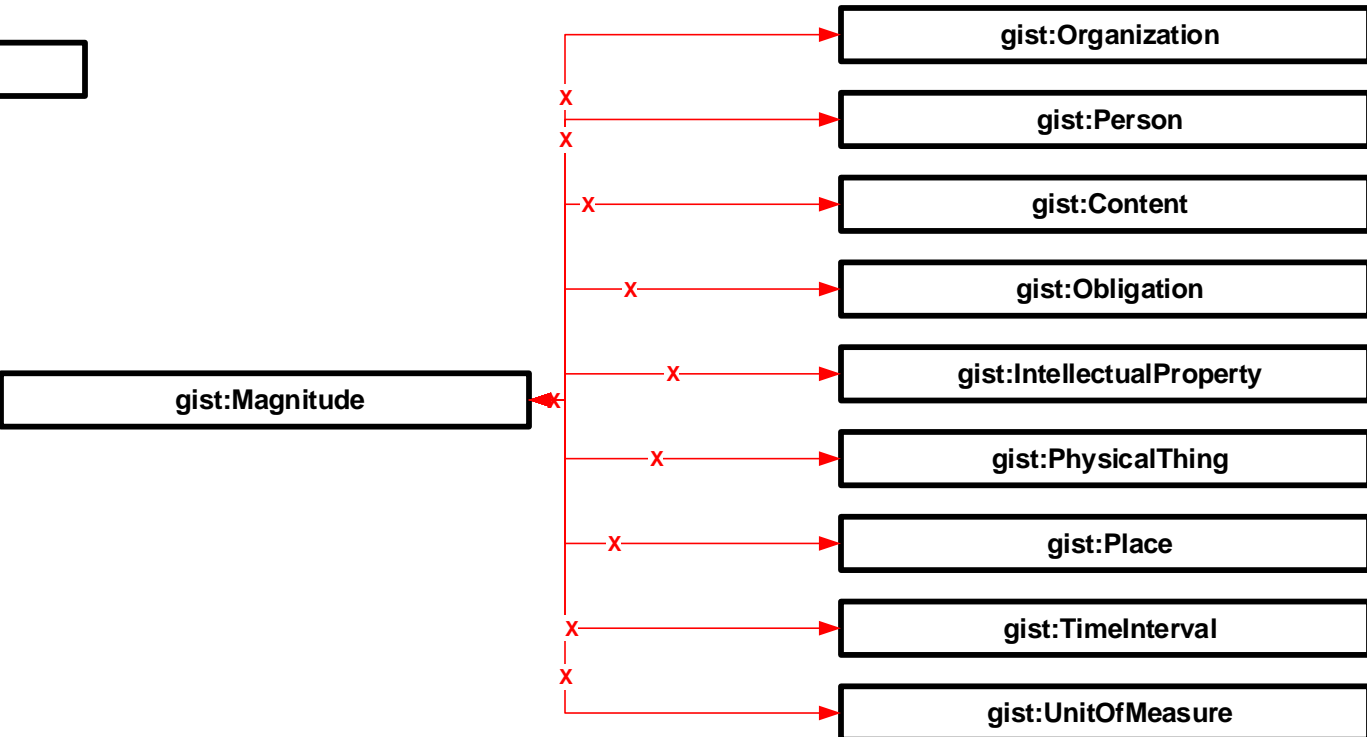
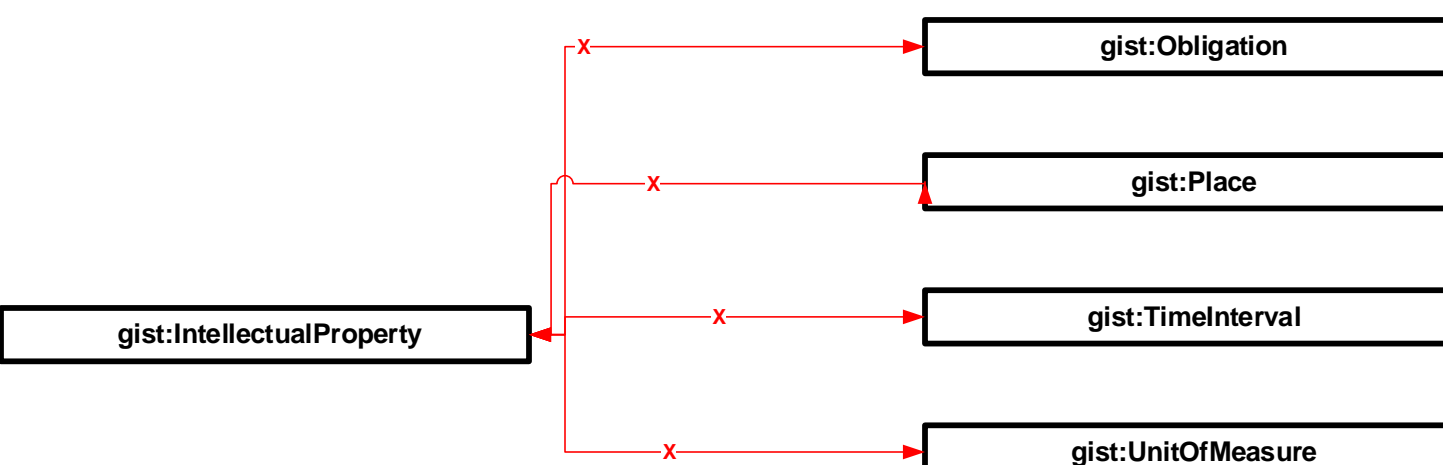
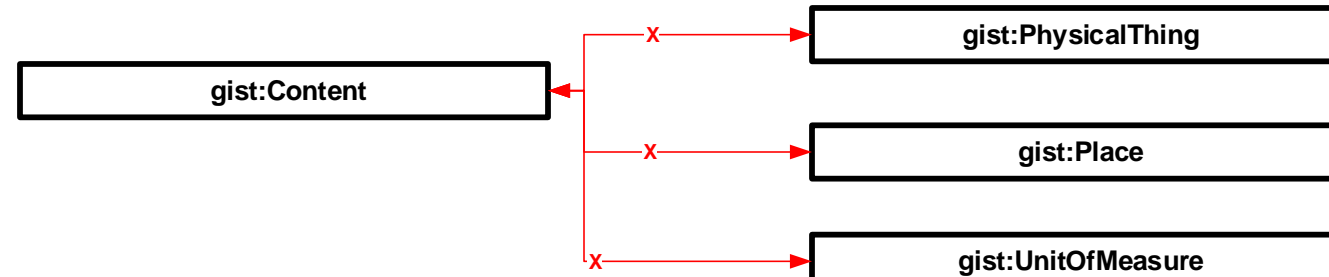
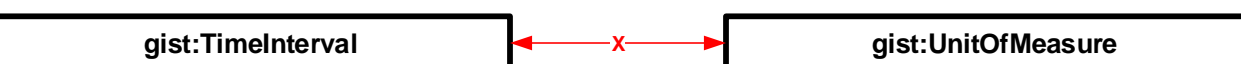
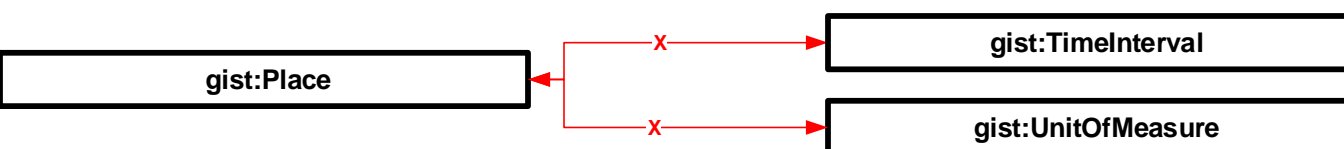
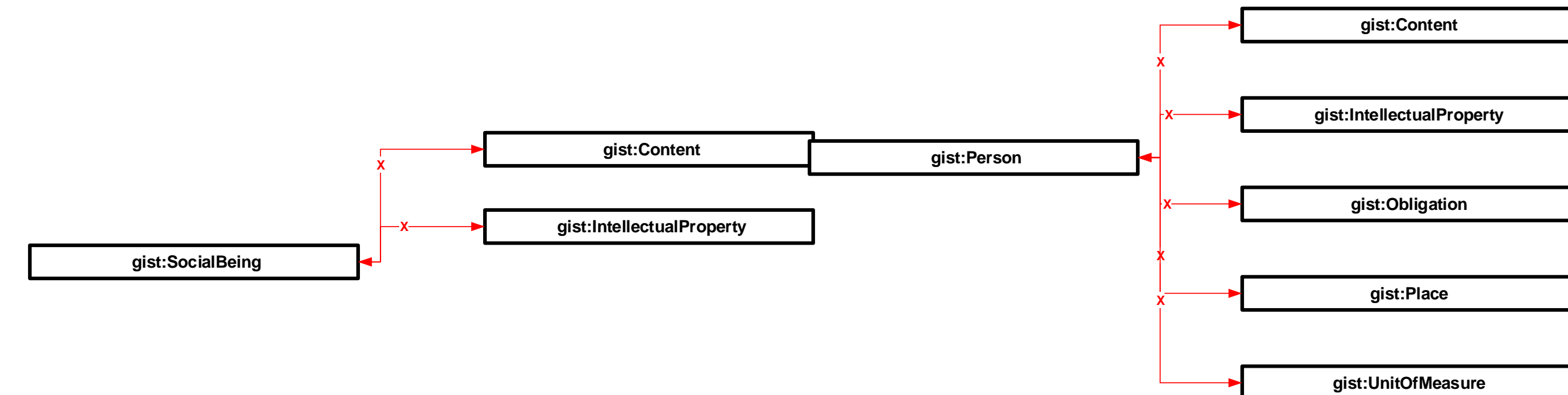
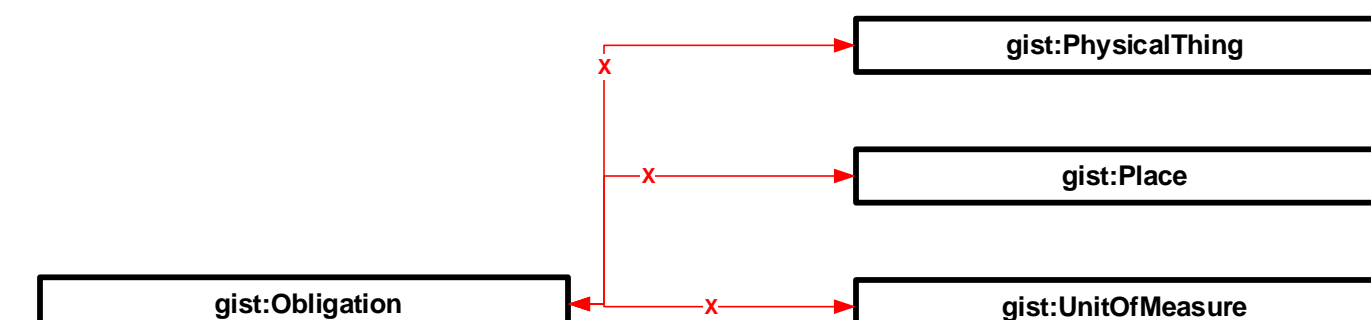
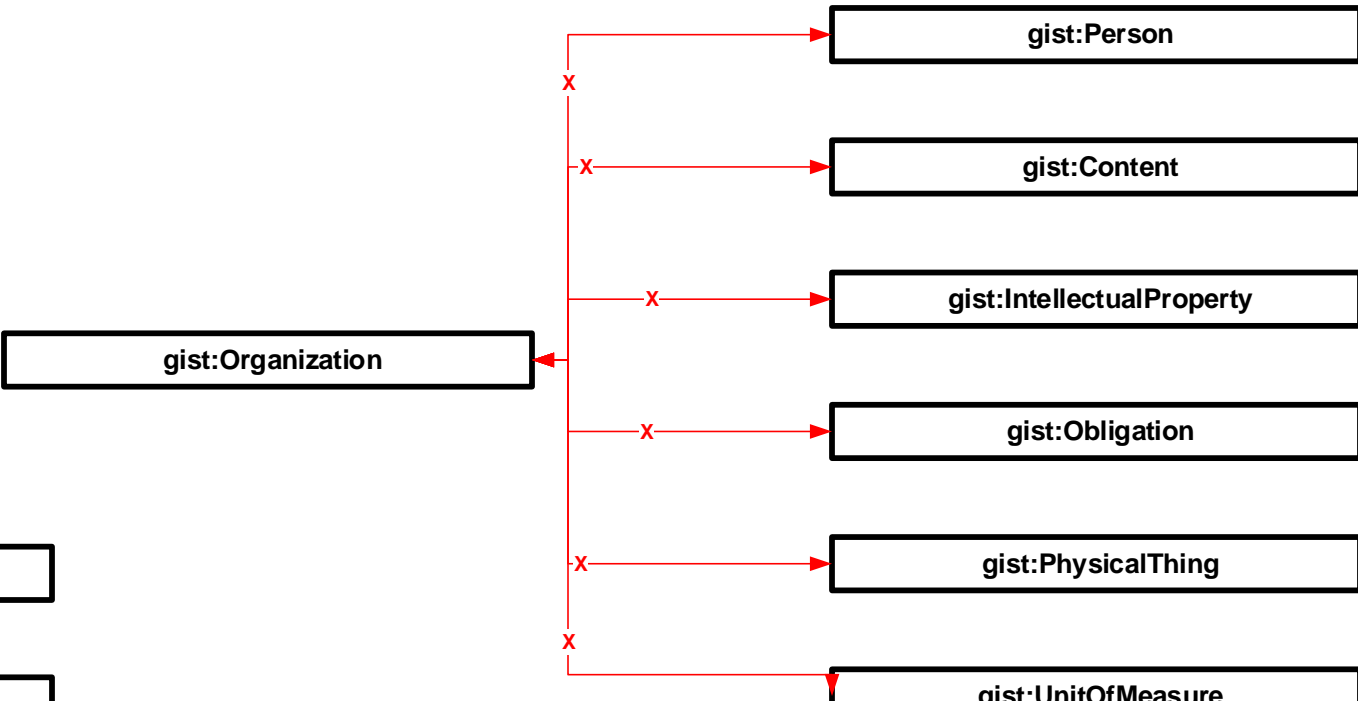
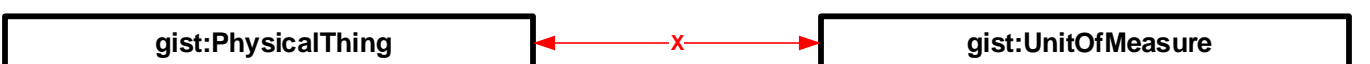
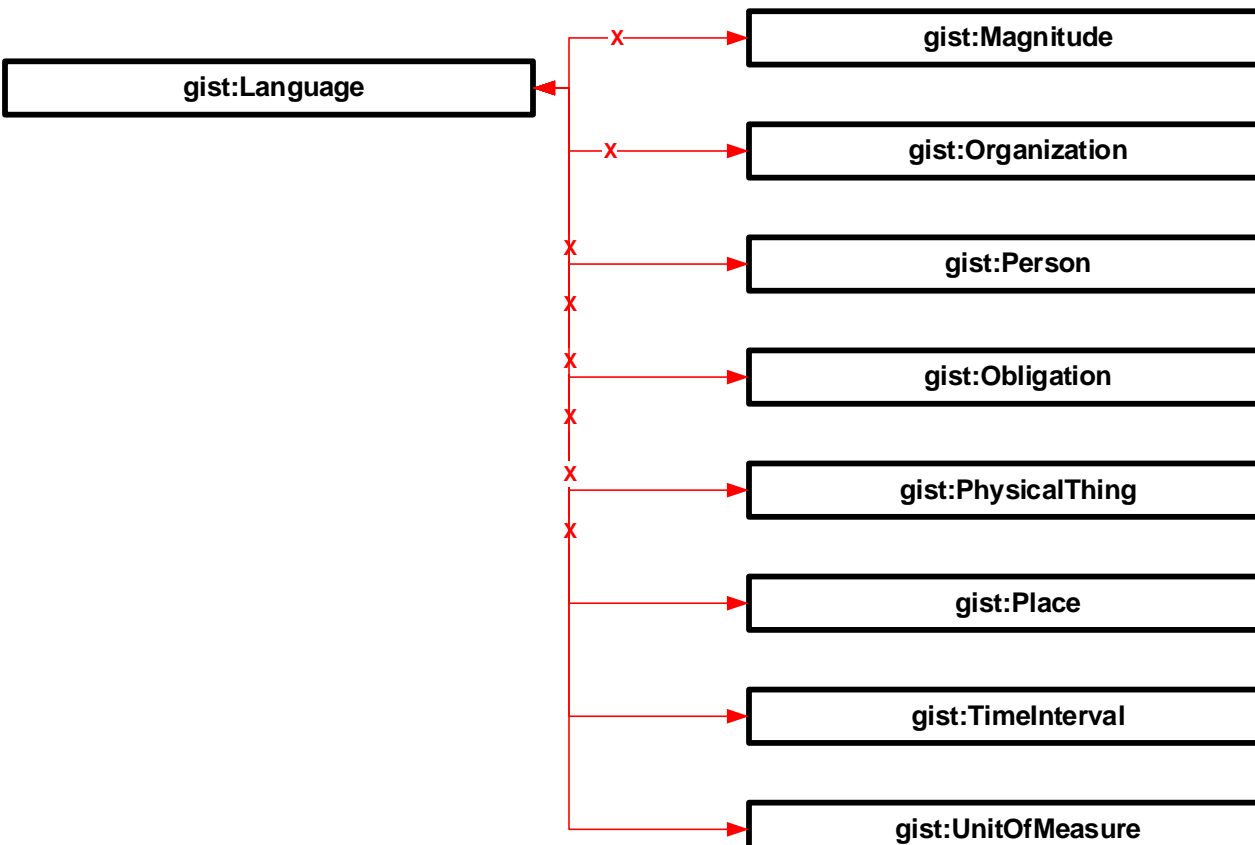
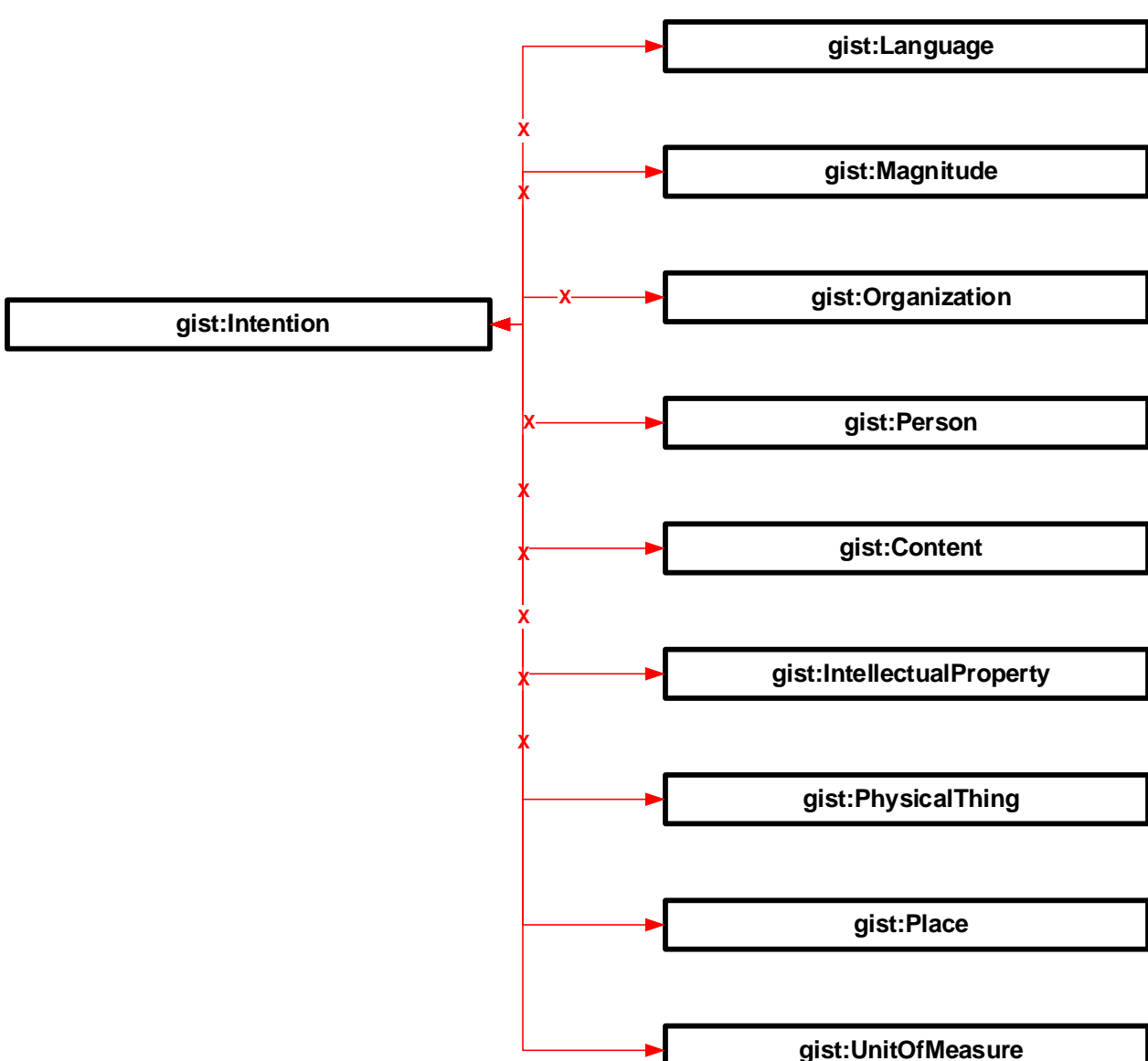
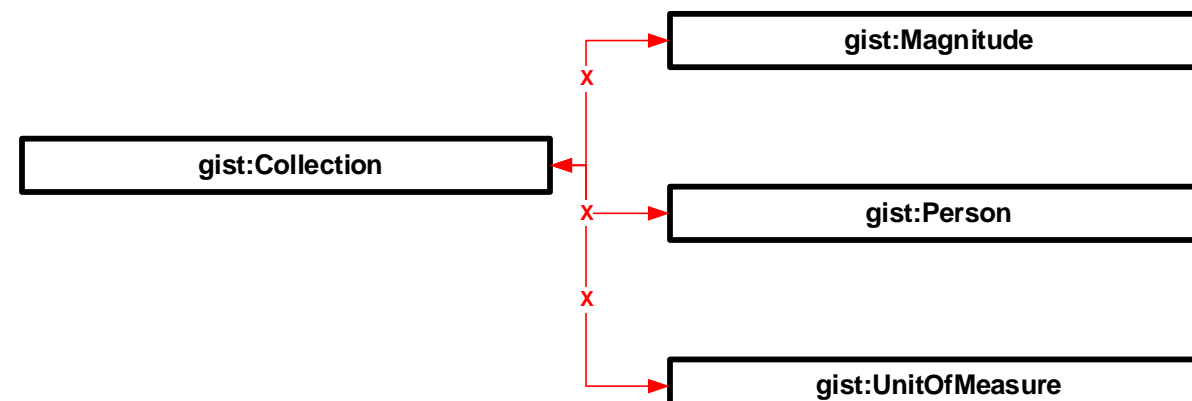
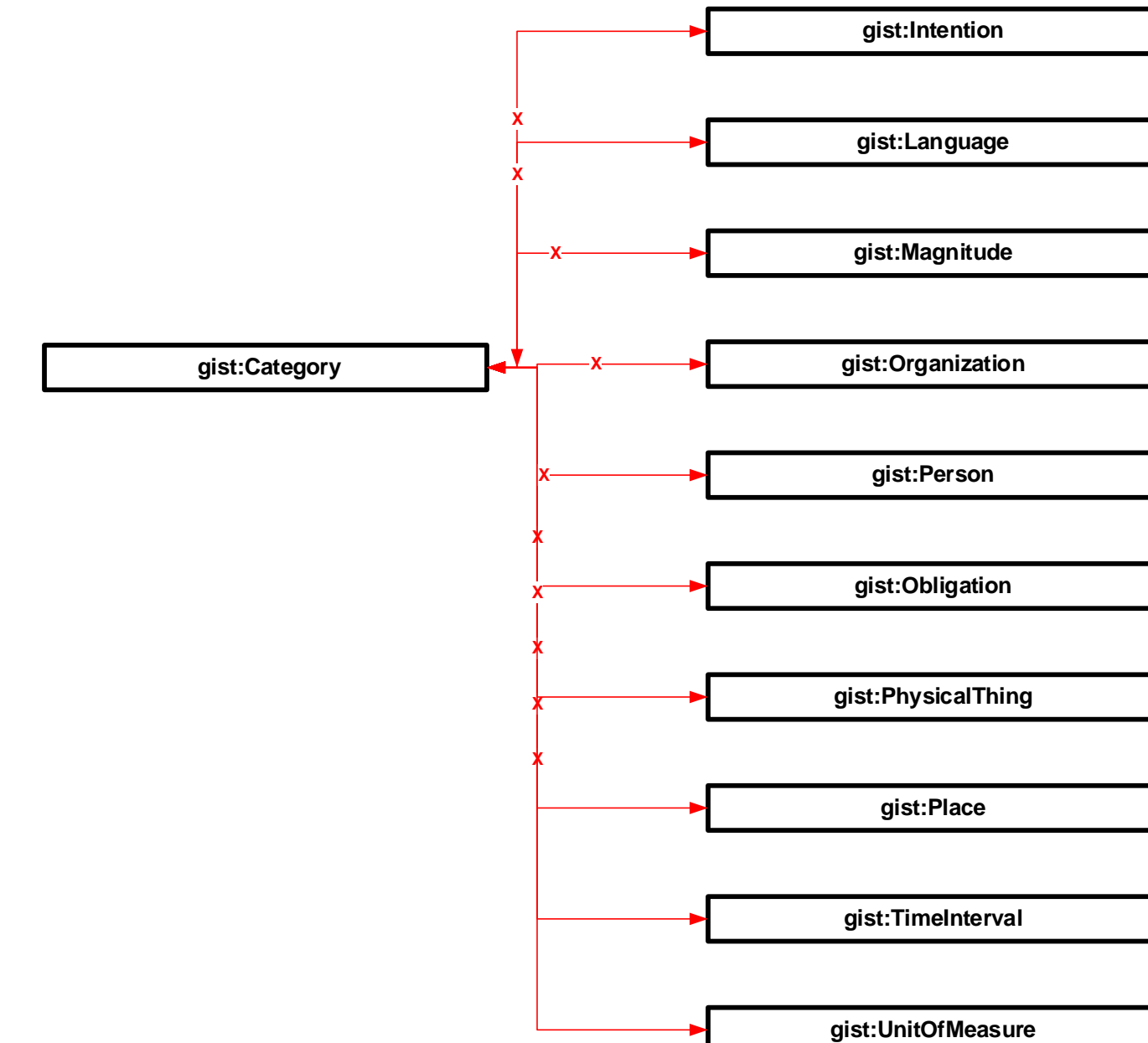
Equivalent to

— OR —

gist:PhysicalIdentifiableItem

gist:PhysicalSubstance

	Category	Collection	Intention	Language	Magnitude	Org	Person	Content	IP	Obligation	PhysicalThing	Place	TimeInterval	UnitOfMeasure
Category	eq		d	d	d	d				d	d	d	d	
Collection		eq		d		d							d	
Intention			eq	d	d	d	d	d		d	d		d	
Language				eq	d	d				d	d	d	d	
Magnitude					eq	d	d	d	d	d	d	d	d	
Org						eq	d	d	d	d			d	
Person							eq	d	d	d	d		d	
Content								eq					d	
IP									eq	d	d	d	d	
Obligation										eq	d	d	d	
PhysicalThing											eq		d	disjointness axioms
Place												eq	d	
TimeInterval													eq	d
UnitOfMeasure														eq



gistUnit

gist7.0 units of measure

Base URI : <http://ontologies.semanticarts.com/o/gistUnit>
Version URI : <http://ontologies.semanticarts.com/o/gistUnit7.0>

Namespaces

gist <http://ontologies.semanticarts.com/gist#>

Imports

URI : <http://ontologies.semanticarts.com/o/gistTop7.0>
Location : gistTop7.0.owl

gist:hasBaseUnitDomain: gist:UnitOfMeasure

Range: gist:BaseUnit

Relates a #UnitOfMeasure to its #BaseUnit. This indicates what kind Unit something is, e.g. saying that a furlong #hasBaseUnit #meter says it is a #DistanceUnit.

rdfs:comment

EXAMPLE: saying that a furlong #hasBaseUnit #meter says it is a #DistanceUnit.

gist:convertToBaseDomain: gist:UnitOfMeasuredouble

The conversion factor used to get to the base unit. E.g., multiplying by 0.0254 gets you from inches to meters. Divide by this number to go the other way. Used in conjunction with conversionOffset to convert from one unit to another.

Degrees K = (Degrees F - conversionOffset) * convertToBase. Or K = (F - (-469.67)) * (5/9). To go the other way: F = (K * 9/5) - 469.67. Try it on Google.

gist:numeratorDomain: gist:RatioUnit

Range: gist:UnitOfMeasure

Relates a #RatioUnit such as meter(s)/second to the numerator Unit (e.g. meter).

gist:denominatorDomain: gist:RatioUnit

Range: gist:UnitOfMeasure

Relates a #RatioUnit such as meter(s)/second to the denominator Unit (e.g. second).

gist:multiplicandDomain: gist:ProductUnit

Range: gist:UnitOfMeasure

Relates a ProductUnit such as square mile to the first of two units multiplied together (e.g. mile).

gist:conversionOffsetDomain: gist:UnitOfMeasuredouble

Add this number to get to the zero point. On the Celsius scale, the conversionOffset is -273.15 degrees C. On the Fahrenheit scale it is -459.67 degrees. Is equal to 0 when the unit has the same zero point as the base unit. e.g. inch, meter.

gist:multiplicandDomain: gist:ProductUnit

Range: gist:UnitOfMeasure

Relates a ProductUnit such as square mile to the second of two units multiplied together (e.g. mile).

gist:UnitOfMeasure

gist:SimpleUnitOfMeasure

The primitive units can be converted, the complex units (ratio or product) have to decompose to their primitives. Each unit has a base unit and a conversion factor to the base. The bases are from SI. This is the number you multiple a Unit by to get to base or divide by to get from base. So the convertToBase for inch is 0.0254 to get you to the base (meter)

gist:convertToBase
some double

gist:hasBaseUnit
exactly 1 gist:BaseUnit

gist:BaseUnit

gist:RatioUnit

A #UnitOfMeasure composed of a #numerator unit and a #denominator unit.

rdfs:comment
EXAMPLE: miles/hour

rdfs:comment
NOTE: If needed, a conversion factor for a RatioUnit can be (recursively) derived from the conversion factors of the numerator and denominator units. E.g. the derived conversion factor from km/minute to meters/second is 1000/60 or 16 2/3.

gist:UnitOfMeasure

gist:numerator
some gist:UnitOfMeasure

gist:denominator
some gist:UnitOfMeasure

gist:ProductUnit

Product Units are units of measure that are the product of two simpler ones. Area and Volume are the classic cases, but other more exotics exists like newtons.

gist:UnitOfMeasure

gist:multiplicand
some gist:UnitOfMeasure

gist:multiplicand
some gist:UnitOfMeasure

gist:convertToBase
min 0 double

Introduced the product unit (similar to the ratio unit where two units are multiplied), and made area and volume specialization

gist:DistanceUnit

Units to measure linear distance such as feet and kilometers.

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:meter

gist:DurationUnit

Units to measure passage of time, hours, days, years.

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:second

gist:MassUnit

Units of weight, e.g., pounds, kilos, etc.

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:kilogram

gist:TemperatureUnit

Temperatures have a different zero value and therefore need an offset for conversion.

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:kelvin

gist:conversionOffset
some double

gist:ElectricalCurrentUnit

Units of electrical charge(volt). Note that wattage, current and kilowatt hours are composed units.

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:ampere

gist:LuminescenceUnit

Measure of brightness (candles).

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:candela

gist:MoleUnit

Amount of chemical material. Measured in avagadro units of 6.02 x 10 ^23 molecules

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:mole

gist:CurrencyUnit

Units of money. Note: this is the only unit whose conversion factors include time (i.e., the conversion rates change on a daily basis).

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:uSDollar

gist:CountingUnit

Units of counting, especially "each" but also units such as dozens.

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:each

gist:AreaUnit

Units of two-dimensional area such as square inches and hectares.

gist:ProductUnit

gist:multiplicand
some gist:DistanceUnit

gist:multiplicand
some gist:DistanceUnit

gist:VolumeUnit

Units of three dimensional space, expressed here as an area times a distance

gist:ProductUnit

gist:multiplicand
some gist:AreaUnit

gist:multiplicand
some gist:DistanceUnit

gist:BaseUnit

The base units in gist are the seven primary ones from SI (second, kilogram etc) plus two convenience ones: each and usDollar.

gist:each

gist:kilogram

gist:kelvin

gist:ampere

gist:candela

gist:mole

gist:second

gist:meter

gist:uSDollar

--- ALL DIFFERENT ---

gist:each

gist:kilogram

gist:kelvin

gist:ampere

gist:candela

gist:mole

gist:second

gist:meter

gist:uSDollar

Square and cubic meters are no longer base units

gist:BaseUnit - gist:each

gist:convertToBase - 1.0 double

gist:hasBaseUnit -> gist:each

gist:BaseUnit - gist:kilogram

gist:convertToBase - 1.0 double

gist:hasBaseUnit -> gist:kilogram

gist:kelvin

gist:convertToBase - 1.0 double

gist:conversionOffset - 0 double

gist:hasBaseUnit -> gist:kelvin

gist:ampere

gist:convertToBase - 1.0 double

gist:hasBaseUnit -> gist:ampere

gist:candela

gist:convertToBase - 1.0 double

gist:hasBaseUnit -> gist:candela

gist:mole

gist:convertToBase - 1.0 double

gist:hasBaseUnit -> gist:mole

gist:BaseUnit - gist:second

gist:convertToBase - 1.0 double

gist:hasBaseUnit -> gist:second

gist:BaseUnit - gist:meter

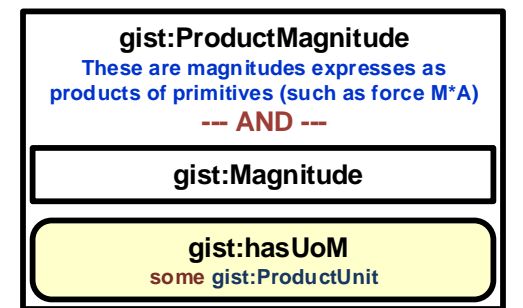
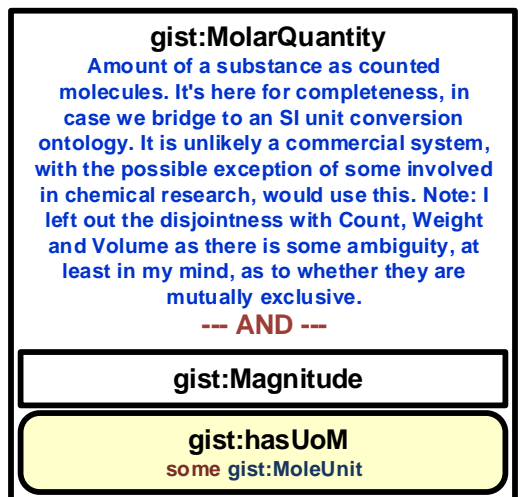
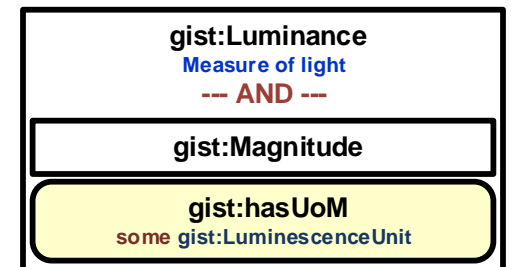
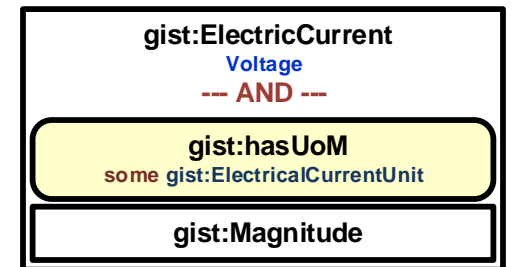
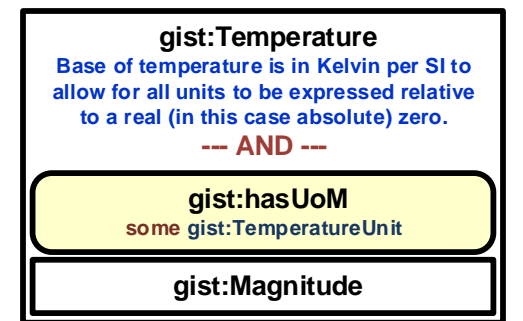
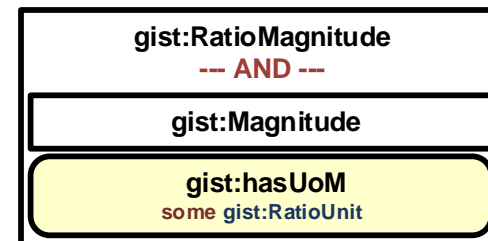
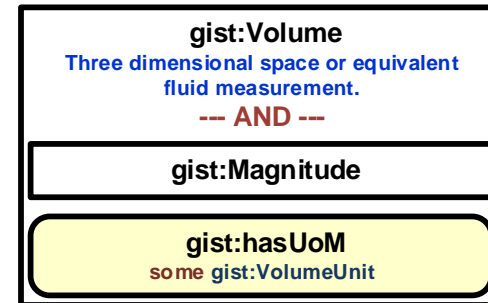
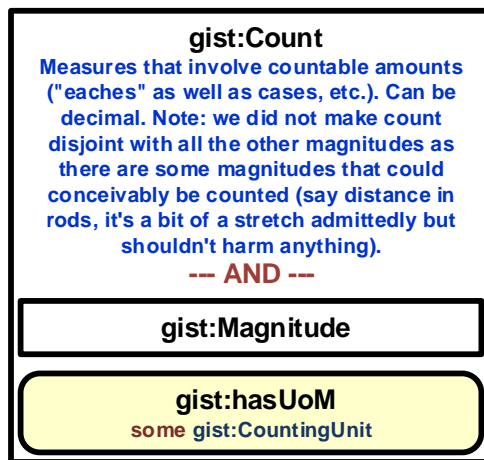
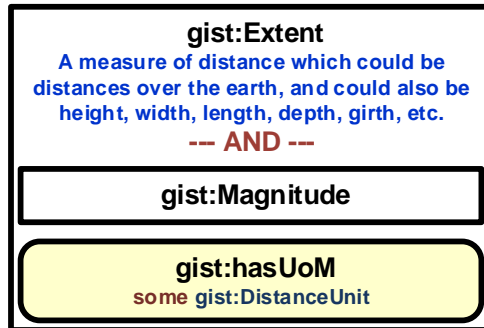
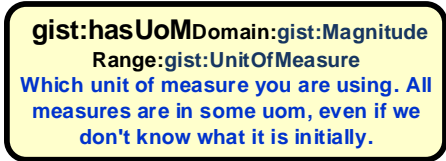
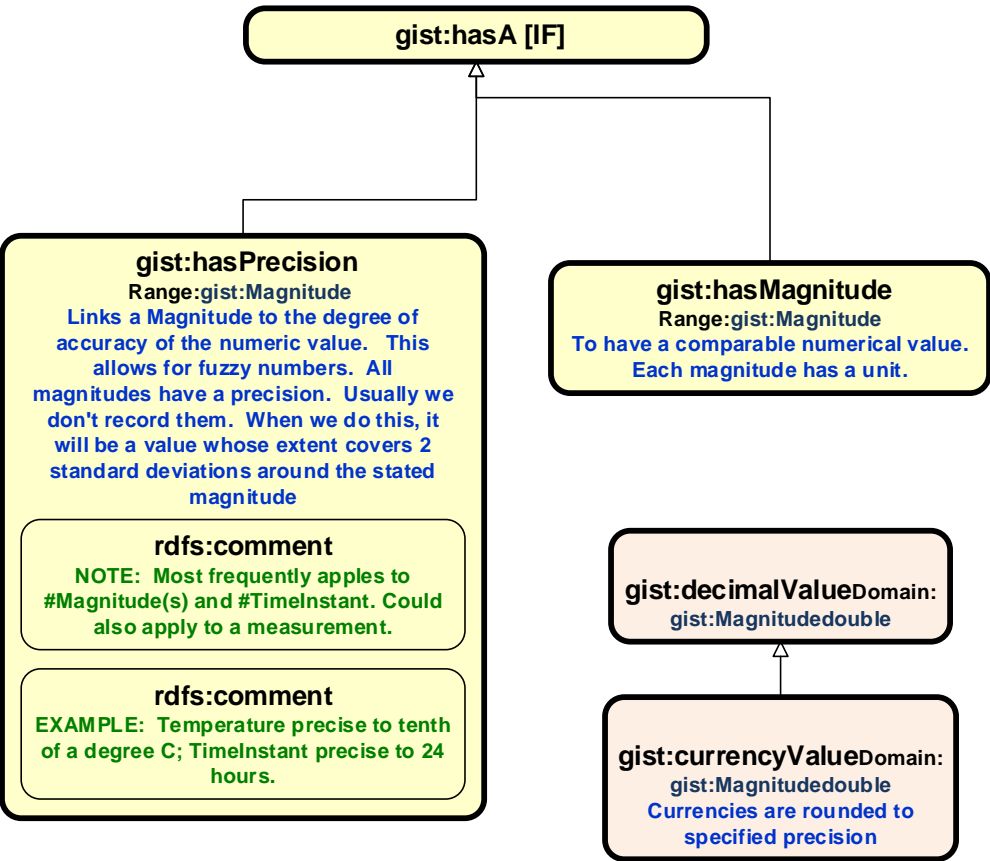
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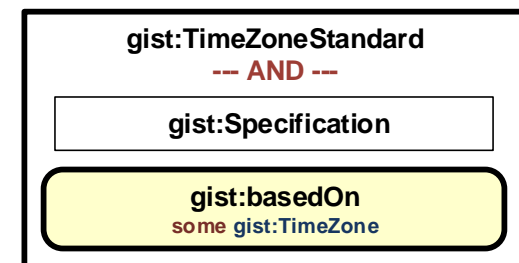
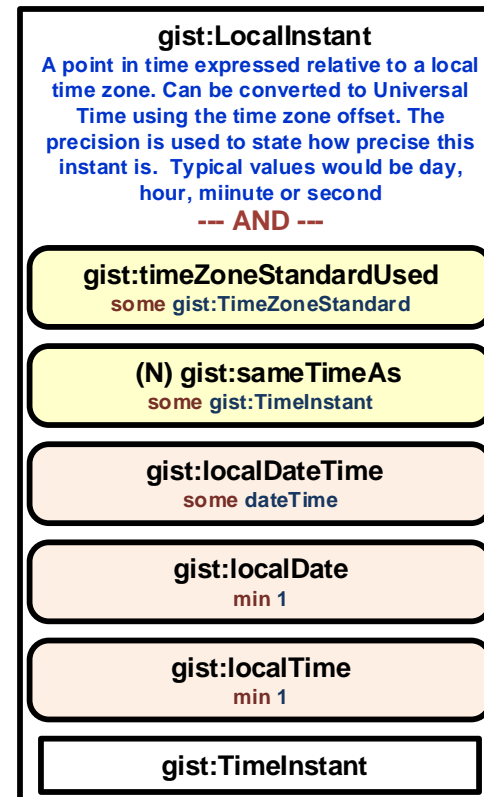
gist:hasBaseUnit -> gist:meter

gist:BaseUnit - gist:uSDollar

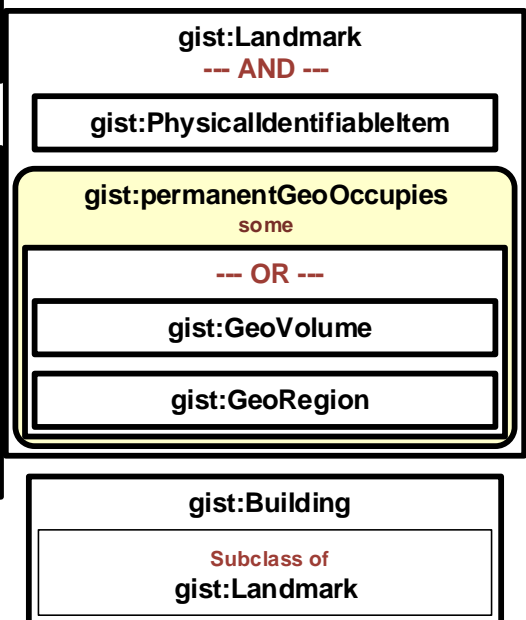
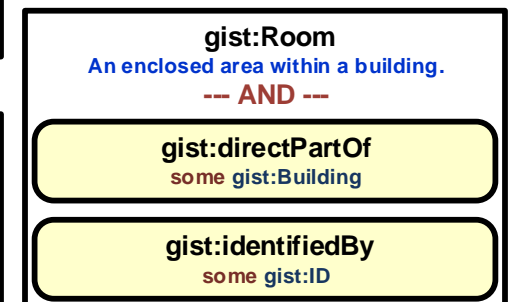
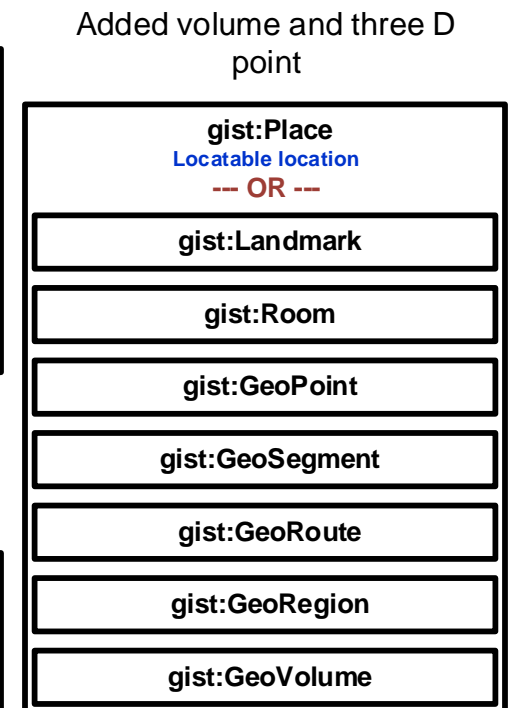
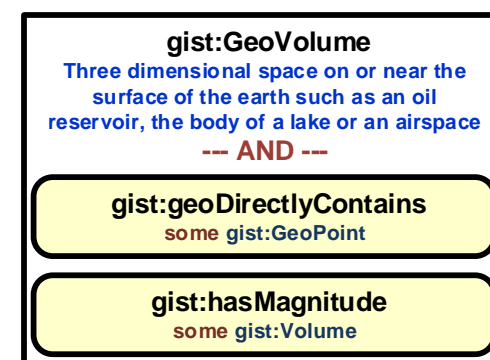
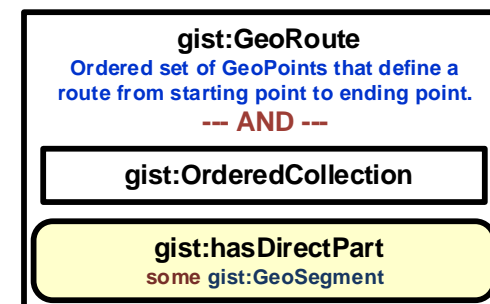
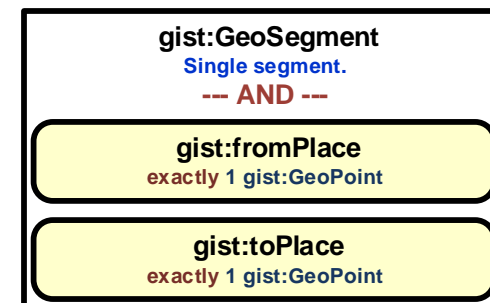
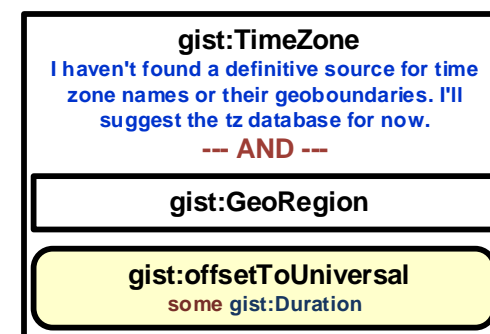
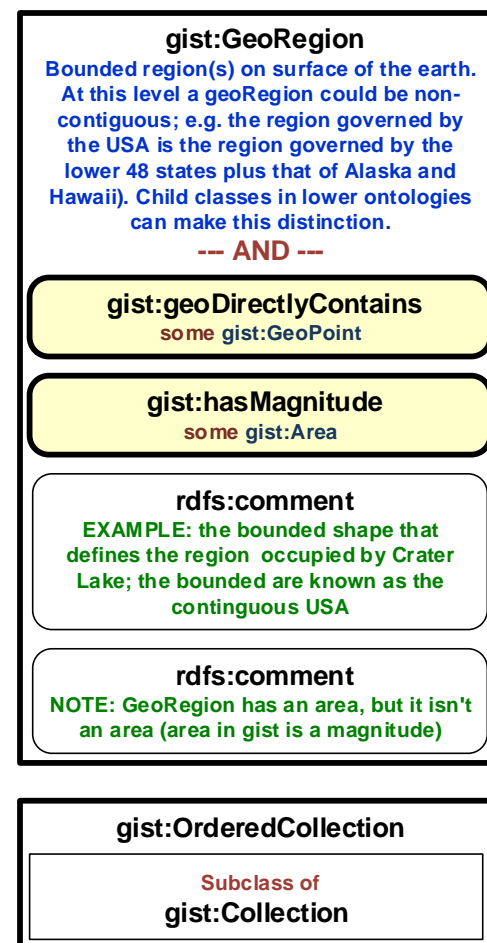
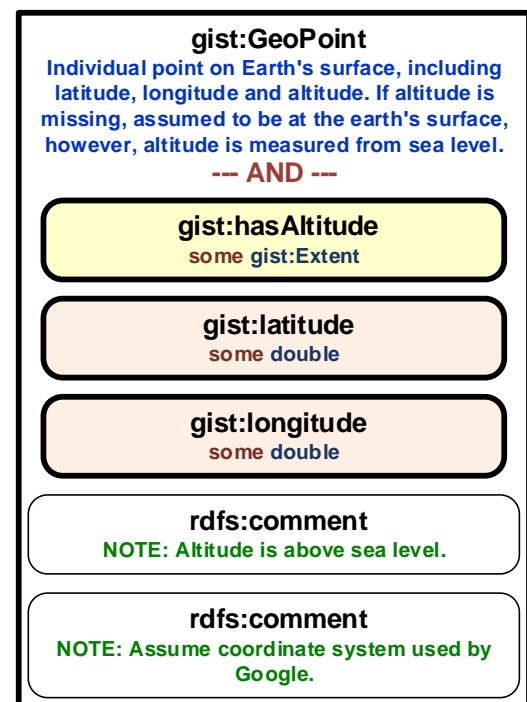
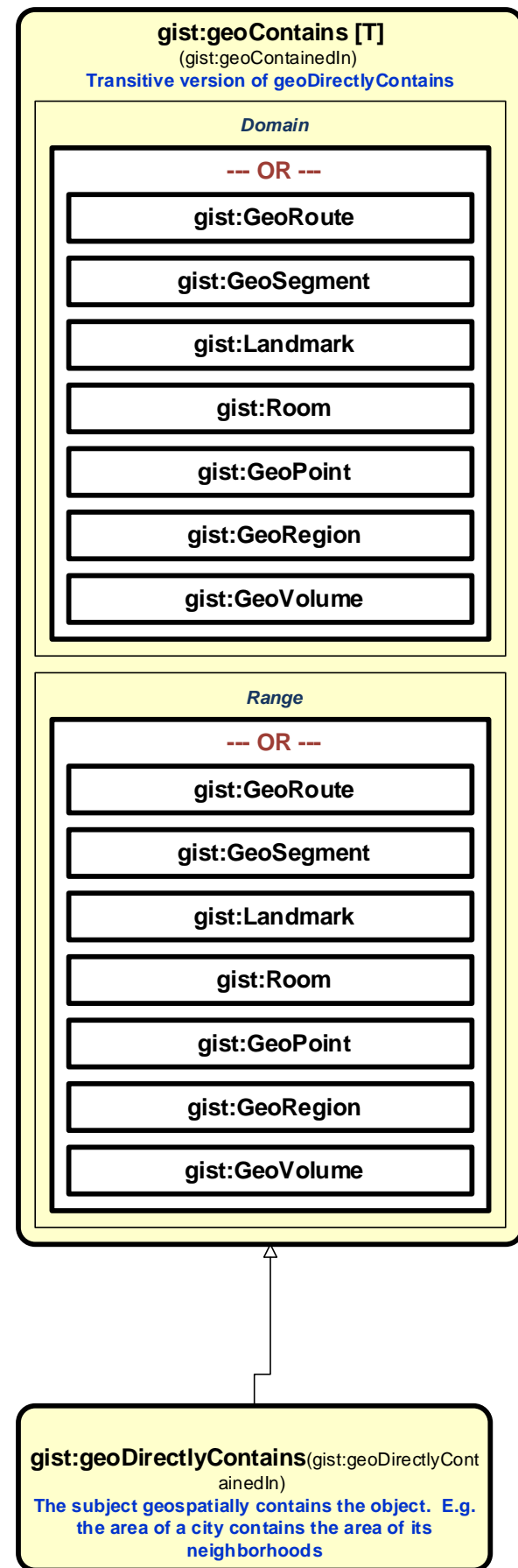
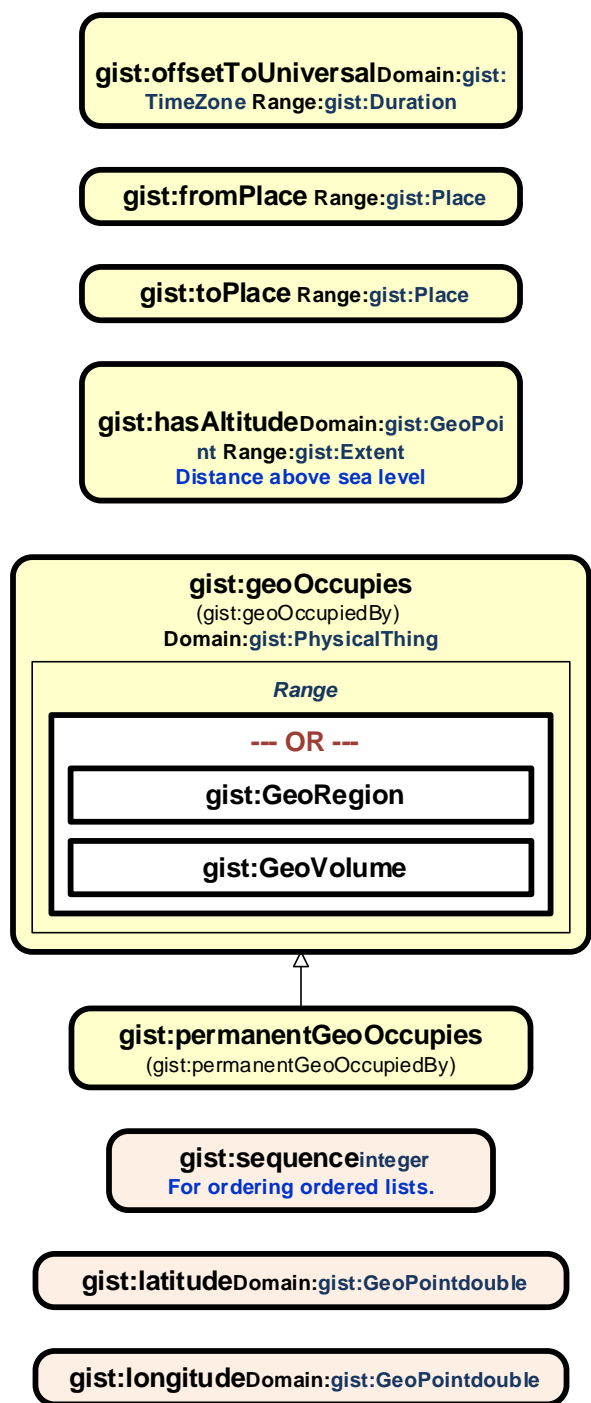
gist:convertToBase - 1.0 double

gist:hasBaseUnit -> gist:uSDollar





Note: converted date and time from
xsd:date and xsd:time to min 1
blank because Fact++ doesn't
recognized date or time



gistEvent

gist7.0 event

Base URI : <http://ontologies.semanticarts.com/o/gistEvent>
Version URI : <http://ontologies.semanticarts.com/o/gistEvent7.0>

Namespaces

gist <http://ontologies.semanticarts.com/gist#>

Imports

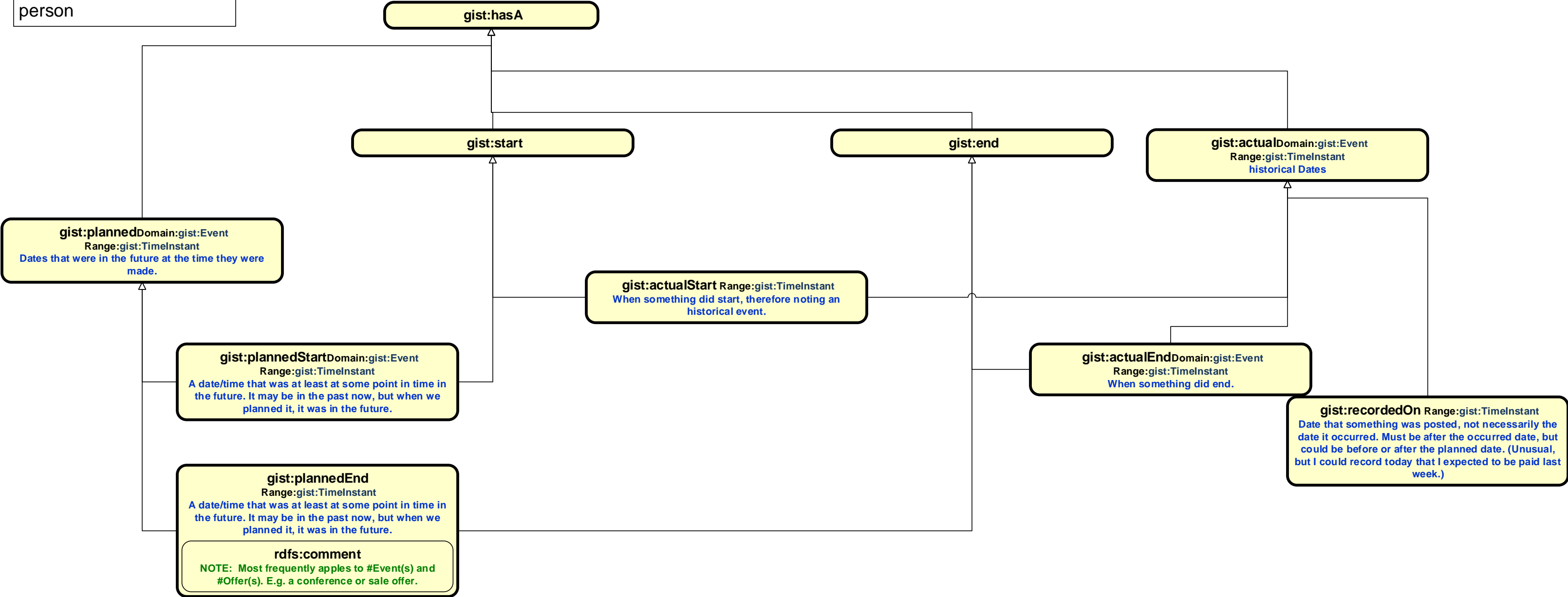
URI : <http://ontologies.semanticarts.com/o/gistTop7.0>
Location : gistTop7.0.owl

URI : <http://ontologies.semanticarts.com/o/gistIntention7.0>
Location : gistIntention7.0.owl

Put domains on these
Took off desc & domain
range for properties
defined elsewhere
Moved birth and death to
person

Temporal

Note: most dates have a start/end parent and a planned/actual parent



gist:characterizedAs

Domain:gist:Event
Range:gist:Behavior
The kind of Behavior that took place during an Event.

gist:hasSubTask [T](gist:subTaskOf)

Domain:gist:Task Range:gist:Task
A task that is part of a larger task. The time frame of the subtasks may overlap but may not extend beyond the timeframe of the parent task. A subtask may be part of more than one parent task.

gist:hasDirectSubTask(gist:subTaskOf)

Domain:gist:Task Range:gist:Task

gist:Behavior

Ways of categorizing events, e.g., differentiating drilling versus cutting.

Subclass of gist:Category

gist:Event

Something happening over some period of time, often characterized as some kind of activity being carried out by some agent. It is a specific act of a behavior, so it is a run, not the behavior running

--- AND ---

gist:TimeInterval

gist:characterizedAs some gist:Behavior

gist:Project

A project is a task (usually a longer duration task) made up of other tasks.

--- AND ---

gist:Task

gist:hasSubTask some gist:Task

gist:TemplateTask

This is a prototypical task of a particular type, that will, when instantiated, generate an actual (unscheduled) task.

--- AND ---

gist:Template

gist:hasGoal some gist:Intention

gist:ContingentEvent

And event with a probability of happening in the future

--- AND ---

gist:Event

gist:plannedStart some gist:TimeInstant

gist:plannedEnd some gist:TimeInstant

gist:hasMagnitude some gist:Percentage

gist:PhysicalEvent

An event that can be said to have occurred at some place in space, e.g., a meeting, a car accident. Excludes events such as financial events, project milestones, that have no meaningful location.

--- AND ---

gist:Event

gist:occurredAt some gist:Place

gist:Event

gist:ContemporaneousEvent

All contemporaneous events eventually end, and due to the nature of the open world, we can never be sure that a contemporaneous event hasn't ended. As a result, this is really contemporaneous and historical events.. Actual start i greater than time now

--- AND ---

gist:Event

gist:actualStart some gist:TimeInstant

gist:HistoricalEvent

Occurred in time actual end is less than time now

--- AND ---

gist:Event

gist:actualStart some gist:TimeInstant

gist:actualEnd some gist:TimeInstant

gist:PlannedEvent

At the time it was created this was in the future.

--- AND ---

gist:Event

gist:plannedStart some gist:TimeInstant

gist:plannedEnd some gist:TimeInstant

gist:ScheduledTask

--- AND ---

gist:PlannedEvent

gist:Task

gist:Task

A task has been defined and either scheduled or accomplished or both

--- AND ---

gist:Event

gist:hasGoal some gist:Intention

gistAddress

gist7.0 Address

Base URI : <http://ontologies.semanticarts.com/o/gistAddress>
Version URI : <http://ontologies.semanticarts.com/o/gistAddress7.0>

Namespaces

gist	http://ontologies.semanticarts.com/gist#
------	---

Imports

URI : <http://ontologies.semanticarts.com/o/gistContent7.0>
Location : [gistContent7.0.owl](#)

URI : <http://ontologies.semanticarts.com/o/gistPlace7.0>
Location : [gistPlace7.0.owl](#)

gistAddress

gist7.0 Address

Base URI : <http://ontologies.semanticarts.com/o/gistAddress>
Version URI : <http://ontologies.semanticarts.com/o/gistAddress7.0>

Namespaces

gist	http://ontologies.semanticarts.com/gist#
------	---

Imports

URI : <http://ontologies.semanticarts.com/o/gistContent7.0>
Location : [gistContent7.0.owl](#)

URI : <http://ontologies.semanticarts.com/o/gistPlace7.0>
Location : [gistPlace7.0.owl](#)

gistAddress

gist7.0 Address

Base URI : <http://ontologies.semanticarts.com/o/gistAddress>
Version URI : <http://ontologies.semanticarts.com/o/gistAddress7.0>

Namespaces

gist	http://ontologies.semanticarts.com/gist#
------	---

Imports

URI : <http://ontologies.semanticarts.com/o/gistContent7.0>
Location : [gistContent7.0.owl](#)

URI : <http://ontologies.semanticarts.com/o/gistPlace7.0>
Location : [gistPlace7.0.owl](#)

Namespaces
gist <http://ontologies.semanticarts.com/gist#>

<u>Namespaces</u>	
gist	http://ontologies.semanticarts.com/gist#

Imports

URI :	http://ontologies.semanticarts.com/o/gistContent7.0
Location :	gistContent7.0.owl
URI :	http://ontologies.semanticarts.com/o/gistPlace7.0
Location :	gistPlace7.0.owl

Imports

URI :	http://ontologies.semanticarts.com/o/gistContent7.0
Location :	gistContent7.0.owl
URI :	http://ontologies.semanticarts.com/o/gistPlace7.0
Location :	gistPlace7.0.owl

Imports

URI :	http://ontologies.semanticarts.com/o/gistContent7.0
Location :	gistContent7.0.owl
URI :	http://ontologies.semanticarts.com/o/gistPlace7.0
Location :	gistPlace7.0.owl

```
graph TD; A["gist:PostalAddress  
A set of codes the postal authorities can  
use to deliver mail. Could be a street  
address, could be a postal address, could  
be the route codes."] --> B["Subclass of  
gist:Address"]; B --> C["(N)  
gist:communicationAddressOf  
some gist:SocialBeing"]; C --> D["rdfs:comment  
EXAMPLE: a street address, a PO Box, an  
FPO code"];
```

gist:PostalAddress
A set of codes the postal authorities can use to deliver mail. Could be a street address, could be a postal address, could be the route codes.

Subclass of
gist:Address

(N)
gist:communicationAddressOf
some **gist:SocialBeing**

rdfs:comment
EXAMPLE: a street address, a PO Box, an FPO code

```
graph TD; A["gist:PostalAddress  
A set of codes the postal authorities can  
use to deliver mail. Could be a street  
address, could be a postal address, could  
be the route codes."] --> B["Subclass of  
gist:Address"]; B --> C["(N)  
gist:communicationAddressOf  
some gist:SocialBeing"]; C --> D["rdfs:comment  
EXAMPLE: a street address, a PO Box, an  
FPO code"];
```

gist:PostalAddress
A set of codes the postal authorities can use to deliver mail. Could be a street address, could be a postal address, could be the route codes.

Subclass of
gist:Address

(N)
gist:communicationAddressOf
some **gist:SocialBeing**

rdfs:comment
EXAMPLE: a street address, a PO Box, an FPO code

Subclass of
gist:Address

(N)
gist:communicationAddressOf
some gist:SocialBeing

rdfs:comment
EXAMPLE: a street address, a PO Box, an
FPO code

rdfs:comment
EXAMPLE: a street address, a PO Box, an
FPO code

```
graph TD
    A["gist:TelephoneNumber  
Some phone numbers accept faxes, some  
allow Internet access, etc."]
    B["gist:Address  
Subclass of"]
    C["gist:communicationAddressOf  
some gist:SocialBeing"]
    A --> B
    B --> C
```

gist:TelephoneNumber
Some phone numbers accept faxes, some
allow Internet access, etc.

gist:Address
Subclass of

gist:communicationAddressOf
some **gist:SocialBeing**

```
graph TD
    A["gist:TelephoneNumber  
Some phone numbers accept faxes, some  
allow Internet access, etc."]
    B["gist:Address  
Subclass of"]
    C["gist:communicationAddressOf  
some gist:SocialBeing"]
    A --> B
    B --> C
```

gist:TelephoneNumber
Some phone numbers accept faxes, some
allow Internet access, etc.

gist:Address
Subclass of

gist:communicationAddressOf
some **gist:SocialBeing**

rdfs:comment
EXAMPLE: cell, fax, landline

rdfs:comment
EXAMPLE: cell, fax, landline

Subclass of
gist:Address

Subclass of
gist:Address

```
gist:communicationAddressOf
  some gist:SocialBeing
```

```
gist:communicationAddressOf
  some gist:SocialBeing
```

gist:BuildingAddress
An address that you can send mail to or
that you could find in the physical world.

Subclass of
gist:Address

(N) **gist:streetAddressOf**
some **gist:Building**

gist:BuildingAddress
An address that you can send mail to or
that you could find in the physical world.

Subclass of
gist:Address

(N) **gist:streetAddressOf**
some **gist:Building**

Subclass of
gist:Address

(N) gist:streetAddressOf
some gist:Building

(N) gist:streetAddressOf
some gist:Building

gist:Address

A reference to a place (real or virtual) that can be located by some routing algorithm and where messages or things can be sent to or retrieved from. E.g. PO Box or URL to a pdf file.

Subclass of

gist:Content

gist:Address

A reference to a place (real or virtual) that can be located by some routing algorithm and where messages or things can be sent to or retrieved from. E.g. PO Box or URL to a pdf file.

Subclass of

gist:Content

Subclass of
gist:Content

```

class gist:ElectronicMessageAddress
    Any place a message can be sent (email, fax,
    etc.).

    Subclass of
    gist:Address

    gist:communicationAddressOf
    some gist:SocialBeing
  
```

```

class gist:ElectronicMessageAddress
    Any place a message can be sent (email, fax,
    etc.).

    Subclass of
    gist:Address

    gist:communicationAddressOf
    some gist:SocialBeing
  
```

Subclass of
gist:Address

```
gist:communicationAddressOf
  some gist:SocialBeing
```

```
gist:communicationAddressOf
  some gist:SocialBeing
```

gist:hasCommunicationAddress(gist:communicati
onAddressOf)
Domain:gist:SocialBeing Range:gist:Address
The general class of places you can send messages
including postal addresses, fax numbers, phone
numbers, email, web site, etc.

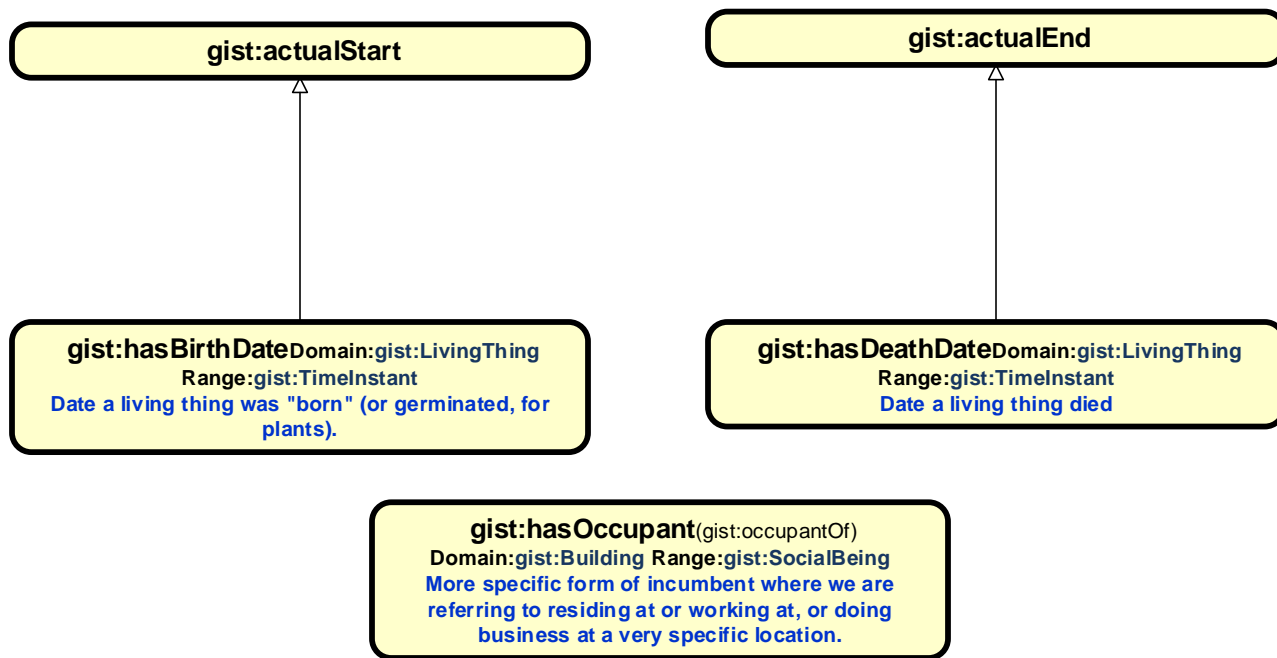
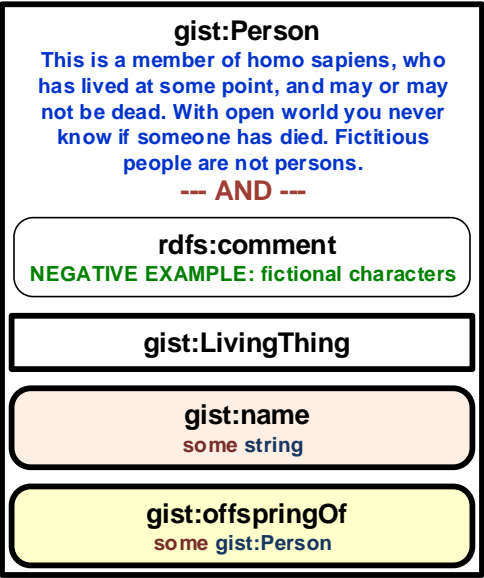
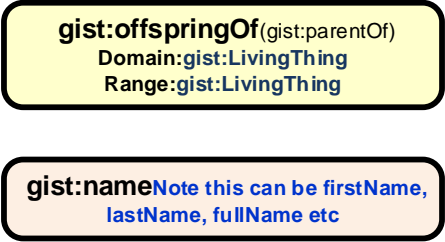
gist:hasCommunicationAddress(gist:communicati
onAddressOf)
Domain:gist:SocialBeing Range:gist:Address
The general class of places you can send messages
including postal addresses, fax numbers, phone
numbers, email, web site, etc.

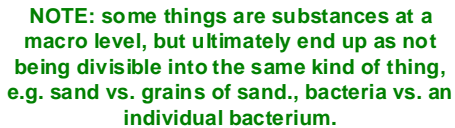
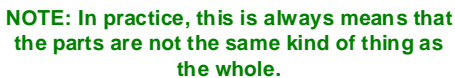
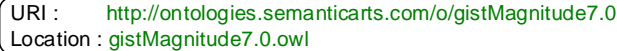
gist:hasStreetAddress(gist:streetAddressOf
)
Range: **gist:BuildingAddress**
A place that can be found on a map, has geo
coordinates; you could live or work there.

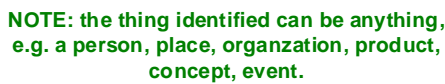
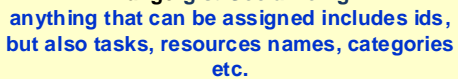
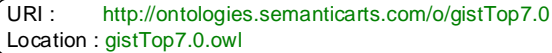
gist:hasStreetAddress(gist:streetAddressOf
)
Range: **gist:BuildingAddress**
A place that can be found on a map, has geo
coordinates; you could live or work there.

gist:hasStreetAddress(gist:streetAddressOf
)
Range: **gist:BuildingAddress**
A place that can be found on a map, has geo
coordinates; you could live or work there.

Probably should put the communication preferences stuff here







gistOrganization

gist7.0 org

Base URI : http://ontologies.semanticarts.com/o/gistOrganization
Version URI : http://ontologies.semanticarts.com/o/gistOrganization7.0

Namespaces

gist http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistPerson7.0
Location : gistPerson7.0.owl

URI : http://ontologies.semanticarts.com/o/gistAddress7.0
Location : gistAddress7.0.owl

URI : http://ontologies.semanticarts.com/o/gistPlace7.0
Location : gistPlace7.0.owl

gist:GovernmentOrganization -
gist: _unitedNationsif the united
nations recognizes you as a country you
are a country

gist:recognizedBy
(gist:recognizes)
Range:gist:SocialBeing
The entity that formally acknowledges the
existence of, as the State recognizes the existance
of a paricular company

gist:directlyRecognizedBy

gist:Organization

A generic organization that can be, e.g.,
formal or informal, legal or non-legal. It can
have members or not

rdfs:comment

NOTE: There are a plethora of different kinds
of organizations that differ along many
facets, including members, structure,
purpose, legal vs. non-legal etc.

rdfs:comment

EXAMPLE: Legal entities like companies,
non-legal entities like clubs, committees or
departments.

gist:GovernmentOrganization

Established either by fiat (as a conquering
army overtakes a land and declares a
government) or by delegation from a fiat
government, such as a state or local
government or a specific agency. Differ from
corporations in that they cannot be owned.

--- AND ---

rdfs:comment

EXAMPLE: State of WA Office of Financial
Management; the FDA, the Scottish
Parliament

gist:Organization

gist:recognizedBy

some gist:CountryGovernment

gist:governs

some gist:GeoRegion

rdfs:comment

NOTE: Recognition by a
#CountryGovernment may be indirect via
local, regional or national
#GovernementOrganization(s) that
ulatimately are recognized by a
#CountryGovernment.

gist:CountryGovernment

--- AND ---

gist:GovernmentOrganization

gist:directlyRecognizedBy

has gist:_unitedNations

gist:Group

A gist:Group is a group of People, they
may or may not be an organization. Many
organizations consist of groups of people
but that isn't a defining characteristic.

--- AND ---

gist:Collection

gist:hasMember

some gist:Person

gistContent

gist7.0 content

Base URI : http://ontologies.semanticarts.com/o/gistContent
Version URI : http://ontologies.semanticarts.com/o/gistContent7.0

Namespaces

gisthttp://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/o/gistID7.0
Location : gistID7.0.owl

gist:Content

Documents, programs, images and the like. Categories are not content until they are written down.

gist:fromAgent

Range: gist:SocialBeing
The source of a message or shipment

gist:toAgent

Range: gist:SocialBeing
Comment: this is not the inverse of fromAgent. A message can be from someone. If we made it the inverse the person would be "to" the message

gist:expressedIn

gist:containedText

string
Links to the string corresponding to #Text

gist:encryptedText

string
Links to the string corresponding to #EncryptedText

gist:basedOn

pointer to the thing something was derived from

gist:about(gist:describedIn)

Domain: gist:ContentSubject matter of a document.

gist:renderedOn

gist:Message

A specific message from an Agent to at least one other agent. Could be email, a phone call, a voice message or a Web Service message between applications.
--- AND ---

gist:ContentExpression

gist:fromAgent

some gist:SocialBeing

gist:toAgent

some gist:SocialBeing

gist:Text

Content in words.
Equivalent to
--- AND ---

gist:Content

gist:expressedIn

some gist:Language

gist:containedText

some string

gist:EncryptedText

#Text that has been encrypted.
rdfs:comment
NOTE: Will be likely be handled by an application by not showing the text in the UI.
Equivalent to
--- AND ---

gist:Text

gist:encryptedText

some string

gist:RenderedContent

Content which has been expressed, either to print, or through speakers, or through a monitor.
--- AND ---

gist:expressedIn

some gist:MimeType

gist:renderedOn

some gist:Medium

gist:ContentExpression

Need image,
audio and
video

gist:Template

Any of a large variety of pieces of content that can be used to generate other content. For example a form can be used to generate data sets, a class can be used to create instances
--- AND ---
rdfs:comment
NOTE: Use gist:basedOn to link the instantiation of a Template back to its Template.

gist:Content

gist:produces

some gist:Content

rdfs:comment

EXAMPLE: a form. A filled-in form has the structure of the form with data entered into some or all of the fields.

gist:IntellectualProperty

A work, invention or concept, independent of its being expressed in text, audio, video, image or live performance. For literature this could be called the "Work" except that "work" is a highly overloaded term (expenditure of energy, resource consumption, art). Often the first expression preceeds our recognition of the IP, but subsequent expressions are known to be derrivatives of the IP, even if they are expression to expression translations (or copies). IP can also be tacit knowledge, knowhow or skill. Also includes Brands
rdfs:comment
EXAMPLE: "The Old Man and The Sea" is Intellectual Property. As is the page rank algorithm, and Coca Cola

gist:Language

A recognized, organized set of symbols and grammar.
rdfs:comment
EXAMPLE: includes natural languages like English and Spanish and computer languages like C# and XML.

gist:Specification

A set of requirements to be satisfied by a material, design, product or service.
Subclass of
gist:Requirement

gist:GeneralMediaType

This is the real world media type (i.e., is it audio, image, video, textual, physical (ie a statue) or performance (i.e. a play) could be oil or pastel for painting
Subclass of
gist:Category

gist:ContentExpression

what does FBRL call this --- this is IP reduced to text, audio etc. If it contains text (written or spoken) it may be in a language
Subclass of
gist:Content
(N) gist:expressedIn
some gist:Language
(N) gist:categorizedBy
some gist:GeneralMediaType

gist:FormattedContent

Content which is in a particular format (i.e. html, pdf, jpg)
--- AND ---
gist:expressedIn
some gist:MimeType
gist:ContentExpression

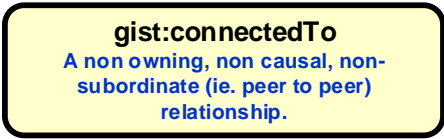
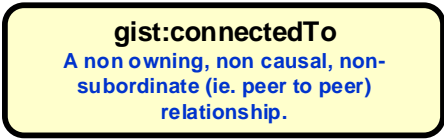
Need a blob like thing for audio etc
How do I refer to the digitized file

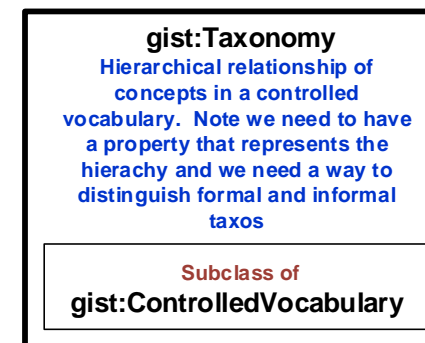
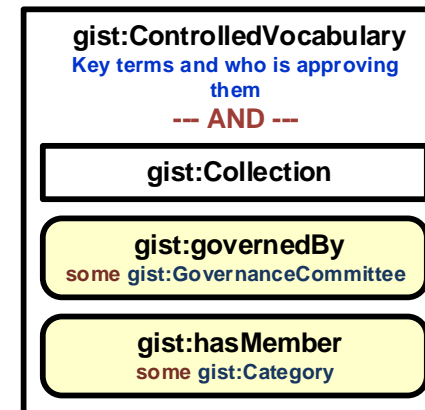
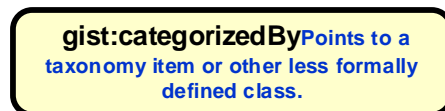
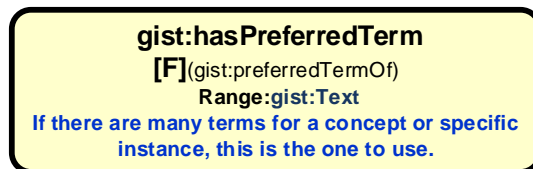
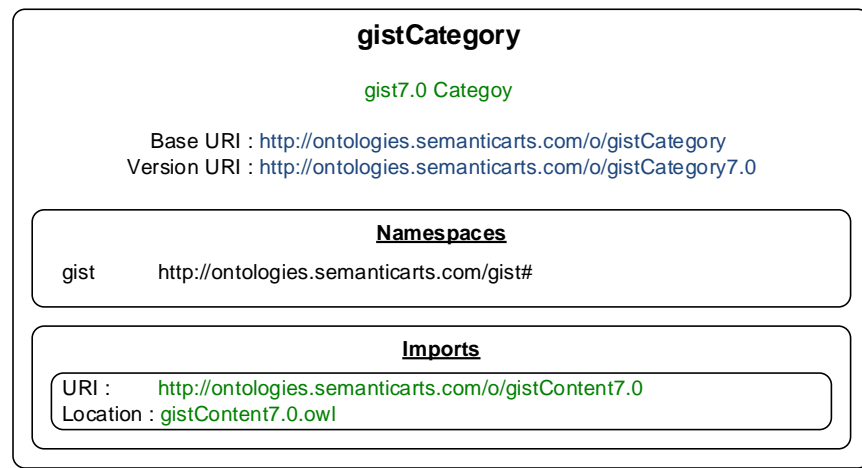
gist:Medium

A physicality that a work could be implemented or exposed on, for instance, paper, or clay or a computer monitor
Subclass of
gist:Category

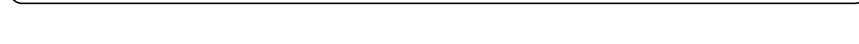
gist:MimeType

These are digitized types that copmputer applications could recognize. These are the Mime types of interest to a given ontology
Subclass of
gist:Category





Need to add something like
synonym ring



gist:Measure

gist 7.0 Measure

Base URI : http://ontologies.semanticarts.com/gistMeasure
Version URI : http://ontologies.semanticarts.com/gistMeasure7.0

Namespaces

gist http://ontologies.semanticarts.com/gist#

Imports

URI : http://ontologies.semanticarts.com/gistEvent7.0
Location : gistEvent7.0.owl

- Key for Change Log**
- 0. CL: for clarity only, better comments, fixing typos, laying out differently, etc.
 - 1. AD: purely additive, will not affect anything already existing.
 - 2. RF: refactoring, no semantic import. Includes changing names where old name is deprecated.
 - 3. SU: has semantic import from usage perspective, e.g. a comment changes usage which could give semantic errors.
 - 4. SI: has semantic import from inference perspective. axiom added, removed, changed etc.
 - 5. BI: Backwards incompatible

Task List	
Open	Description

Change Log	
1.0 1/27/2011	changed names space and ontology name
1.0 6/2/2011	introduced versioning. For now version and base will be the same
1.1 8/10/2011	(MFU) Removed Location field for imports.
1.1 8/10/2011	SI: (MFU) Now imports gistCore6.3
1.2 9/19/2011	RF: (MFU) Renamed Substance to PhysicalSubstance.
1.2 10/21/2011	SI: (DMc) now imports core6.4
1.2 10/21/2011	CL: (DMc) changed name from measures to measure
1.3 2/2/2012	CL: (DMc) moved instances example into new tab measure-exp
1.4 7/6/2012	SI: (MU) Made aspectOf a subproperty of connectedTo
1.4 7/6/2012	SI: (MU) Made aspectOf a property chain and tweaked comment.
1.4 7/6/2012	SI: (MU) Added restriction to Measurement using a new thingMeasured property
1.5 12/16/2012	BI: (MU) Removed property: hasUnsharedPart, use memberOf instead.
1.5 12/16/2012	SI: (MU) Add label restriction to definitions of Nomina- and OrdinalValue
1.5 12/16/2012	SI: (MU) NominalValue restriction linking to NominalSet is now N&S.
1.5 12/16/2012	BI: (MU) OrderedMember replaces RankedPosition in the definition of OrdinalValue
1.5 12/16/2012	RF: (MU) OrdinalSet now defined in terms of OrdinalCollection, not OrdinalCollection directly.
1.5 12/16/2012	RF: (MU) Imports Collection subgist
1.5 12/27/2012	CL: (MU) Added comment to Measure.
1.5 12/28/2012	CL: (MU) Renamed RatioMeasures and IntervalMeasures to be singular.
1.5 12/28/2012	CL: (MU) IntervalMeasure is now a subclass of Magnitude (bugfix: replaces incorrect restriction)
1.5 12/16/2012	SI: (MU) NominalSet no longer uses ExtensionalSet in definition

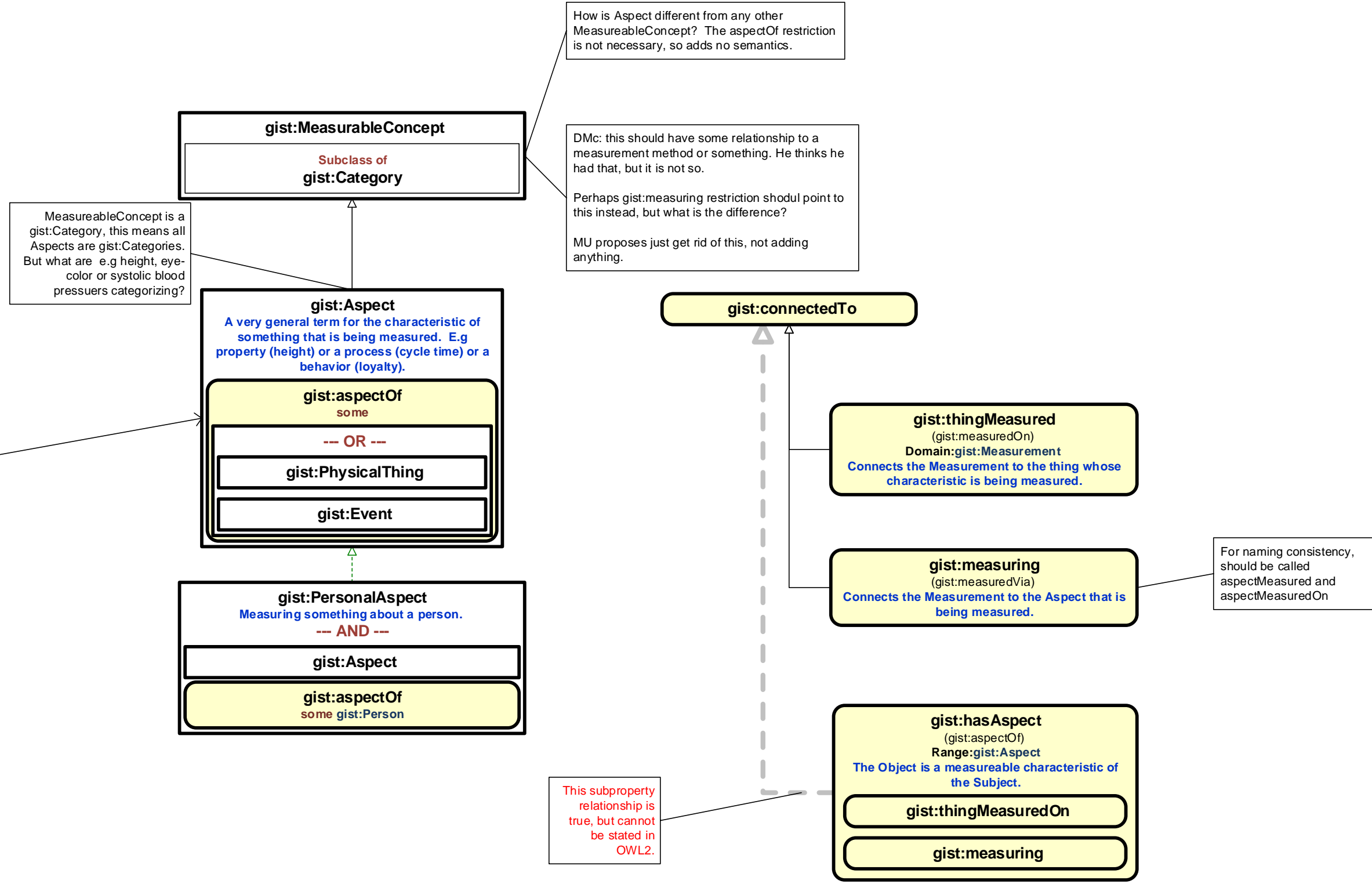
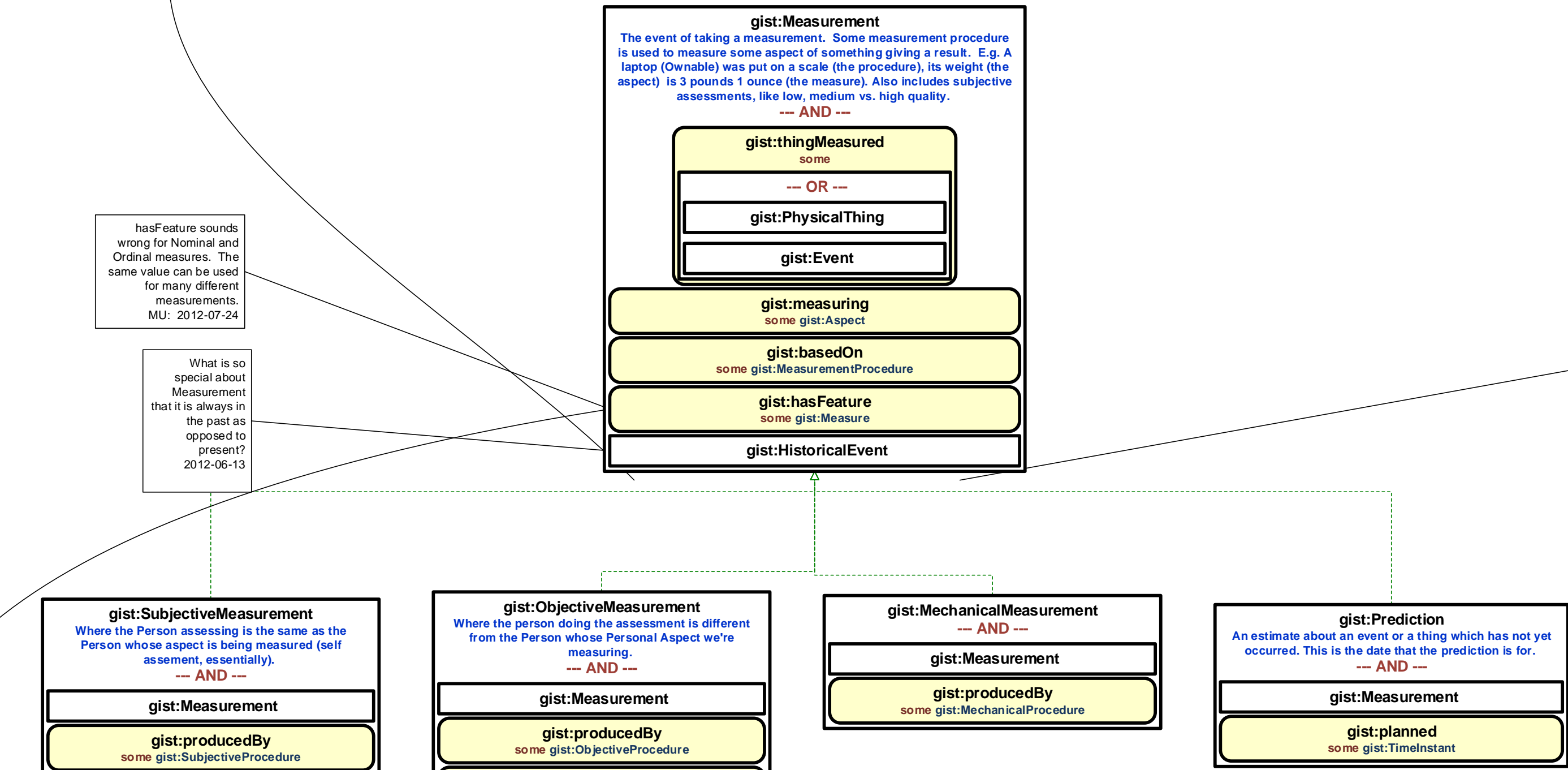
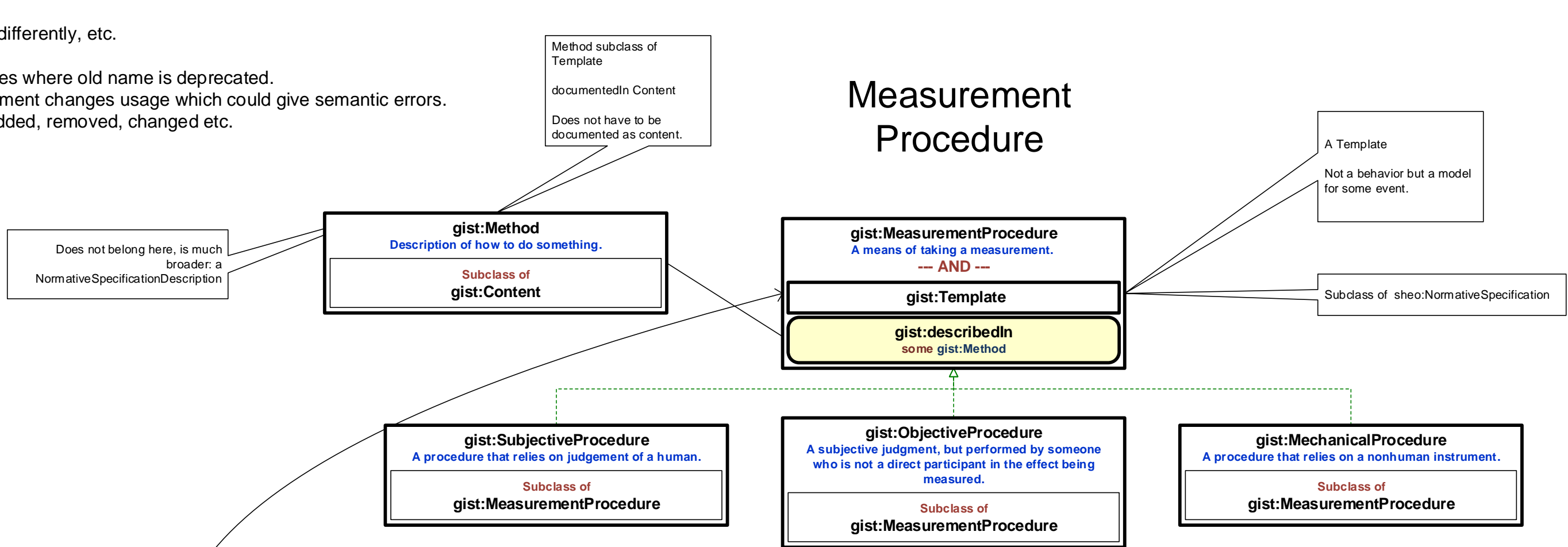
Fork: these three changes are not moving forward with mainline measure subgist.

1.4PG 7/6/2012 RF: (MU) renamed measuring(measuredVia) to aspectMeasured(aspectMeasuredOn)

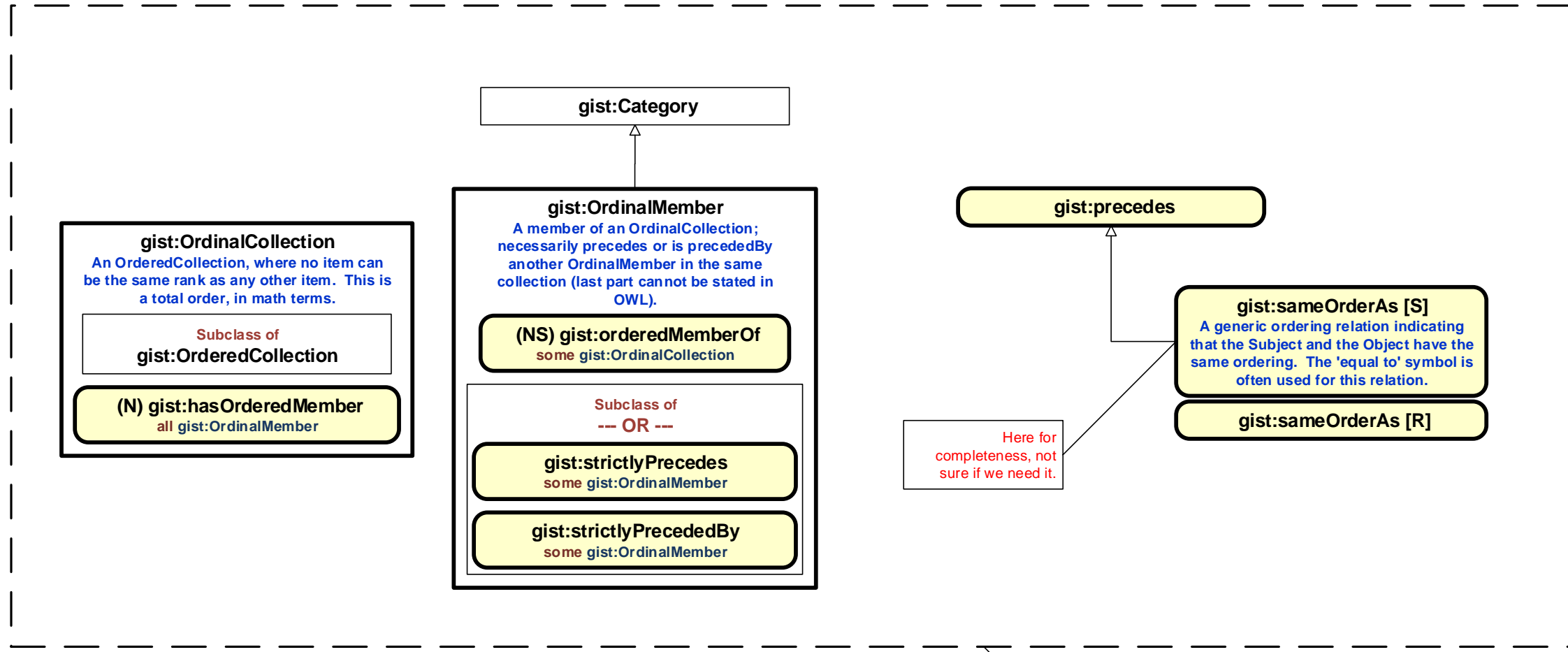
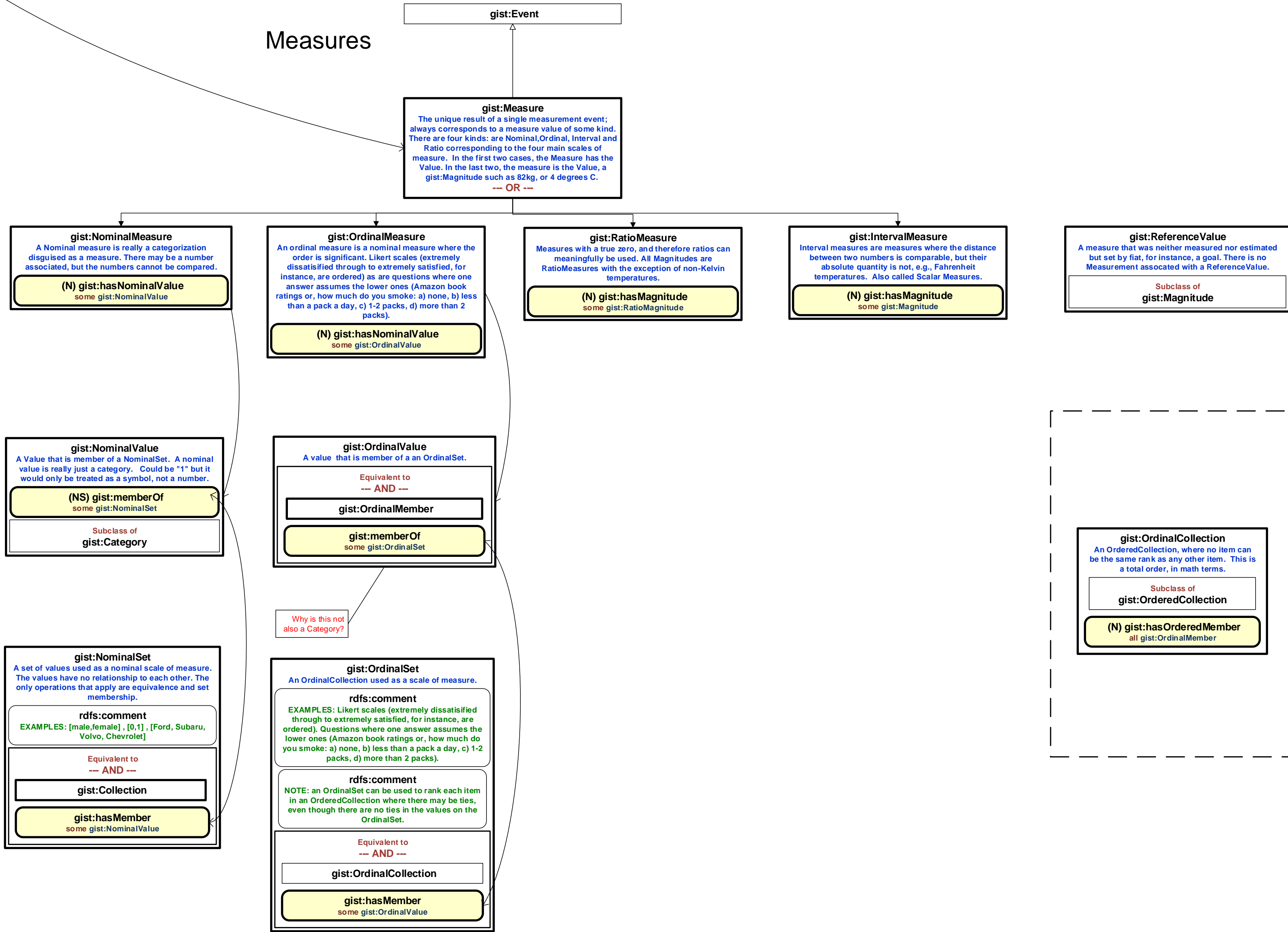
1.4PG 7/18/2012 RF: (MU) MeasurementProcedure is no longer a gist:Template, it is a NormativeSpecification

1.4PG 7/16/2012 RF: (MU) removed gistMethod, it is not needed because MeasurementProcedure is now a NormativeSpecification

Change Log for next version	
1.67 3/18/2014	SI: (MU) Removed gist label, use rdfs:label instead.



Measures



gistCore

gist7.0 Core this is meant to recreate the equivalent of gistCore6.9 by reassembling the pieces'

Base URI : <http://ontologies.semanticarts.com/o/gistCore>
Version URI : <http://ontologies.semanticarts.com/o/gistCore7.0>

Namespaces

gist

<http://ontologies.semanticarts.com/gist#>

Imports

URI : <http://ontologies.semanticarts.com/o/gistEvent7.0>
Location : [gistEvent7.0.owl](#)

URI : <http://ontologies.semanticarts.com/o/gistOrganization7.0>
Location : [gistOrganization.8.0.owl](#)

URI : <http://ontologies.semanticarts.com/o/gistAgreement7.0>
Location : [gistAgreement7.0.owl](#)

URI : <http://ontologies.semanticarts.com/o/gistTemporalRelation7.0>
Location : [gistTR.8.0.owl](#)

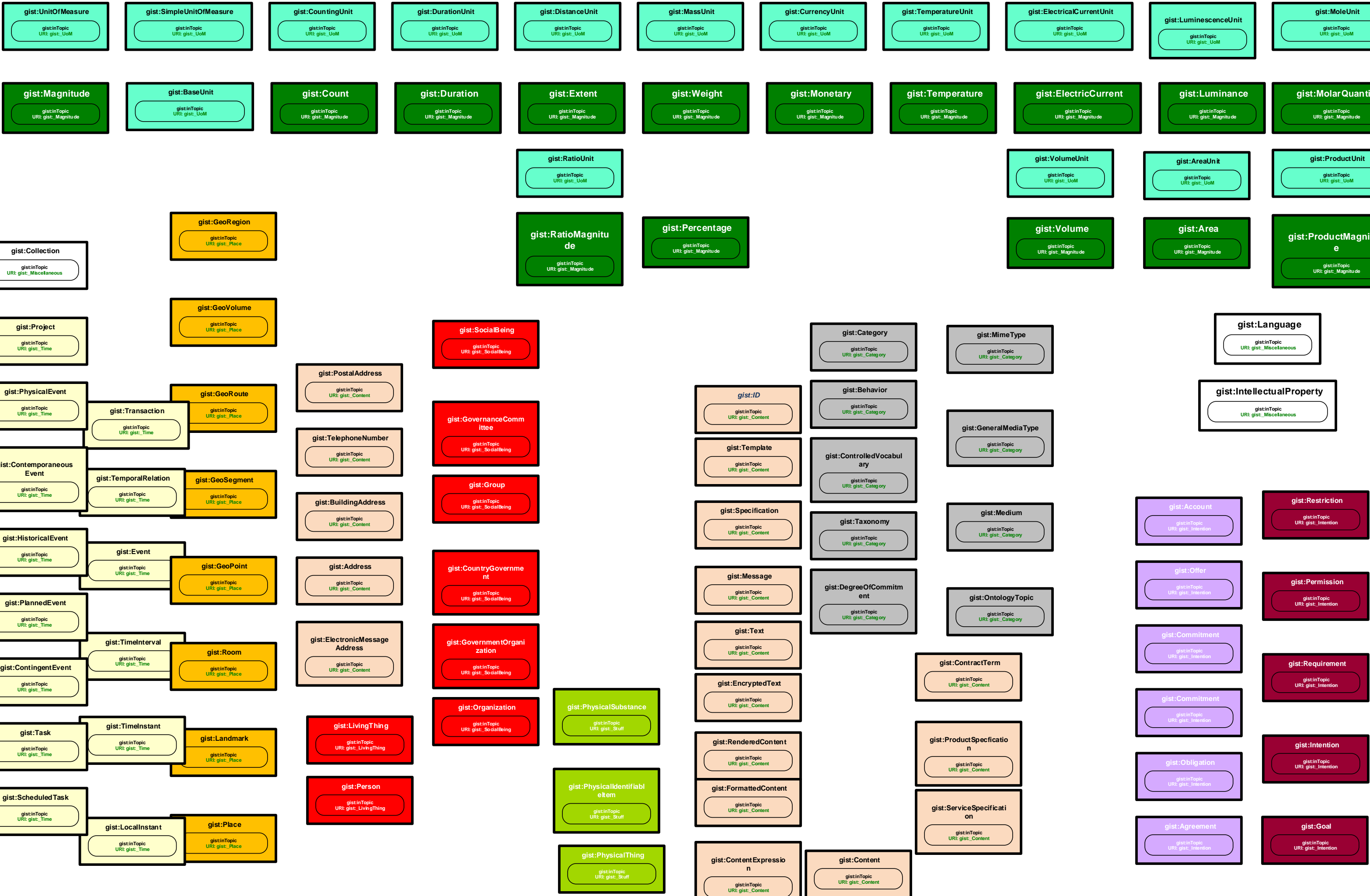
URI : <http://ontologies.semanticarts.com/o/gistCategory7.0>
Location : [gistCategory7.0.owl](#)

URI : <http://ontologies.semanticarts.com/o/gistMeasure7.0>
Location : [gistMeasure7.0.owl](#)

```
graph TD
    gistCore[gistCore] --> gistCategory[gistCategory]
    gistCore --> gistContent[gistContent]
    gistCore --> gistId[gistId]
    gistCore --> gistPhysicalThing[gistPhysicalThing]
    gistCore --> gistPlace[gistPlace]
    gistCore --> gistPerson[gistPerson]
    gistCore --> gistOrganization[gistOrganization]
    gistCore --> gistAgreement[gistAgreement]
    gistCore --> gistTime[gistTime]
    gistCore --> gistEvent[gistEvent]
    gistCore --> gistMeasurement[gistMeasurement]
    gistCore --> gistIntention[gistIntention]
    gistCore --> gistUnit[gistUnit]
    gistCore --> gistMagnitude[gistMagnitude]

    gistCategory -- IP --> gistContent
    gistContent -- Is content --> gistPhysicalThing
    gistPhysicalThing -- PII --> gistId
    gistPhysicalThing -- For wt, vol --> gistMagnitude
    gistPhysicalThing -- For Buildings and isa --> gistPlace
    gistPlace -- of --> gistAddress[gistAddress]
    gistAddress -- coorespondence --> gistCategory
    gistAddress -- term --> gistPerson
    gistPerson -- residence --> gistPlace
    gistPerson -- Jurisdiction --> gistOrganization
    gistOrganization -- Officers, owners --> gistPerson
    gistPlace -- Lat, long, alt, extent, area vol --> gistMagnitude
    gistPlace -- For duration commitment --> gistTime
    gistTime -- Oblg dates --> gistAgreement
    gistTime -- effDates --> gistTemporalRelation[gistTemporalRelation]
    gistTemporalRelation -- Occur in time --> gistEvent
    gistEvent -- goals --> gistIntention
    gistIntention --> gistUnit
    gistUnit --> gistMagnitude
```

The diagram illustrates the relationships between various entities in the gistCore ontology. The entities are represented as boxes, and the relationships are shown as directed arrows with labels. The entities are: gistCore, gistCategory, gistContent, gistId, gistPhysicalThing, gistPlace, gistPerson, gistOrganization, gistAgreement, gistTime, gistEvent, gistMeasurement, gistIntention, gistUnit, and gistMagnitude. The relationships are: gistCore to gistCategory (IP), gistContent (Is content), gistId (PII), gistPhysicalThing (For wt, vol), gistPlace (For Buildings and isa), gistPerson (residence), gistOrganization (Officers, owners), gistAgreement (Oblg dates), gistTime (effDates), gistEvent (Occur in time), gistMeasurement, gistIntention (goals), gistUnit, and gistMagnitude (Lat, long, alt, extent, area vol). Additionally, gistAddress is a sub-entity of gistPlace, and it has a coorespondence relationship with gistCategory and a term relationship with gistPerson.



gist Color Annotation

Colors for visualization

Base URI : <http://ontologies.semanticarts.com/o/gistColors>
Version URI : <http://ontologies.semanticarts.com/o/gistColors7.0>

Namespaces

gist	http://ontologies.semanticarts.com/gist#
------	---

Imports

URI :	http://ontologies.semanticarts.com/o/gistCore7.0
Location :	gistCore7.0.owl

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gist:centrality
This marks the most important/ anchor concepts for visualization (0-100 100 being most central)

gist:centrality
This marks the most important/ anchor concepts for visualization (0-100 100 being most central)

gist:hasColor
The #00000 style coloring for key classes

gist:hasColor
The #00000 style coloring for key classes

gist:hasPosition
A clock face position starting with 1 in the 12 o'clock position

gist:hasPosition
A clock face position starting with 1 in the 12 o'clock position

```
gist:Person
gist:centrality
110
gist:hasColor
#FF0000
```

```
gist:Person
gist:centrality
110
gist:hasColor
#FF0000
```

```
gist:Person
gist:centrality
110
gist:hasColor
#FF0000
```

```

    gist:Organization
    gist:centrality
    110
    gist:hasColor
    #66BBDD
  
```

```

    gist:Organization
    gist:centrality
    110
    gist:hasColor
    #66BBDD
  
```

```

    gist:Organization
    gist:centrality
    110
    gist:hasColor
    #66BBDD
  
```

gist:hasColor

