– top

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Units and Measures

These are the remaining base units that were not essential for the definition of top level concepts

gistUnit

gist Unit of Measure, extends the base units from top to cover Rations and lesser used units (this allows someone to exclude Luminosity if they don't want it)

Base URI : https://ontologies.semanticarts.com/o/gistUnit
Version URI : https://ontologies.semanticarts.com/o/gistUnitX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTopX.x.x
Location : gistTopX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:numerator
Domain:gist:RatioUnit
Range:gist:UnitOfMeasure
Relates a RatioUnit such as meter(s)/second to the numerator Unit (e.g. meter).

rdfs:label
Numerator

gist:denominator
Domain:gist:RatioUnit
Range:gist:UnitOfMeasure
Relates a RatioUnit such as meters/second to the denominator Unit (e.g. second).

rdfs:label
Denominator

gist:unitSymbol
Domain:gist:UnitOfMeasure Range:string
The standard symbol for the unit NOT using any special characters. E.g. square meter would be m^2 rather than m².

rdfs:label
Unit Symbol

gist:unitSymbolUnicode
Domain:gist:UnitOfMeasure Range:string
The standard symbol for the unit preferred for pretty printing, may use special characters. E.g. square meter would be m² rather than m^2.

rdfs:label
Unit Symbol Unicode

gist:unitSymbolHTML
Domain:gist:UnitOfMeasure Range:string
The standard symbol for the unit in HTML format for pretty printing, may use special characters. E.g. to show square meter as m² rather than m^2, the value of this property would be "<![CDATA[m²]]>" This is for when Unicode not supported and the display will be HTML format.

rdfs:label
Unit Symbol HTML

gist:RatioUnit
A UnitOfMeasure composed of a numerator unit and a denominator unit.
--- AND ---

rdfs:label
Ratio Unit

rdfs:comment
EXAMPLE: Miles per 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:CurrencyUnit
A unit of money. Note: this is the only unit whose conversion factors include time (i.e., the conversion rates change on a daily basis).
--- AND ---

rdfs:label
Currency Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:_USDollar

gist:CountingUnit
A unit of counting, especially 'each', but also units such as dozens.
--- AND ---

rdfs:label
Counting Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:_each

gist:DataSizeUnit
A unit to measure amounts of digital information.
--- AND ---

rdfs:label
Data Size Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:_bit

gist:TemperatureUnit
Unit of measurement for expressing temperature. Per SI, the base of temperature is in Kelvin, to allow for all units to be expressed relative to a real (in this case absolute) zero.
--- AND ---

rdfs:label
Temperature Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:_kelvin

gist:conversionOffset
some double

gist:ElectricalCurrentUnit
Unit of electrical current, which is charge per unit time. The SI unit is the ampere. (Note that electrical current is a composed unit.)
--- AND ---

rdfs:label
Electrical Current Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:_ampere

gist:LuminousIntensityUnit
The measure of brightness. The SI unit is the candela.
--- AND ---

rdfs:label
Luminous Intensity Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:_candela

gist:MoleUnit
Amount of chemical material. Measured in Avogadro units (moles) of 6.02 x 10^23 molecules.
--- AND ---

rdfs:label
Mole Unit

gist:SimpleUnitOfMeasure

gist:hasBaseUnit
has gist:_mole

gistMagnitude

gist Magnitudes

Base URI : https://ontologies.semanticarts.com/o/gistMagnitude
Version URI : https://ontologies.semanticarts.com/o/gistMagnitudeX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistUnitX.x.x
Location : gistUnitX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:Temperature
The degree or intensity of heat present in a substance or object, especially as expressed according to a comparative scale.
--- AND ---
rdfs:label
Temperature
gist:hasUoM
some gist:TemperatureUnit
gist:Magnitude

gist:Monetary
A special type of magnitude, due to the way rounding is handled in math and the temporal aspect of conversion.
--- AND ---
rdfs:label
Monetary
gist:Magnitude
gist:hasUoM
some gist:CurrencyUnit

gist:ElectricCurrent
A flow of electric charge.
--- AND ---
rdfs:label
Electric Current
gist:hasUoM
some gist:ElectricalCurrentUnit
gist:Magnitude

gist:ProductMagnitude
A magnitude expressed as a product of primitives. (E.g., Force = M*A).
--- AND ---
rdfs:label
Product Magnitude
gist:Magnitude
gist:hasUoM
some gist:ProductUnit

gist:Percentage
A ratio where the numerator and denominator are of the same unit of measure.
rdfs:label
Percentage
rdfs:comment
NOTE: there are various ways to represent percentage: 50/100 could be represented as '50' or '0.5'. gist uses the latter, as it involves fewer conversions for subsequent use.
Subclass of
gist:RatioMagnitude

gist:LuminousIntensity
A measure of the wavelength-weighted power emitted by a light source in a particular direction per unit solid angle. This is based on the luminosity function, a standardized model of the sensitivity of the human eye.
--- AND ---
rdfs:label
Luminous Intensity
gist:Magnitude
gist:hasUoM
some gist:LuminousIntensityUnit

gist:Count
A measure that involves countable amounts ('eaches' as well as cases, etc.). Can be decimal.
--- AND ---
rdfs:label
Count
rdfs:comment
NOTE: Count is not disjoint with all the other magnitudes, as there are some magnitudes that could conceivably be counted.
gist:Magnitude
gist:hasUoM
some gist:CountingUnit

gist:RatioMagnitude
This is a number whose unit of measure is a ratio.
--- AND ---
rdfs:label
Ratio Magnitude
rdfs:comment
NOTE: A RatioMagnitude just has one decimal value.
rdfs:comment
EXAMPLE: Speed. The ratio magnitude is 60, the unit of measure might be MilesPerHour.
gist:Magnitude
gist:hasUoM
some gist:RatioUnit

gist:InformationQuantity
An amount of data, such as 6 petabytes, or 640KB.
--- AND ---
rdfs:label
Information Quantity
gist:Magnitude
gist:hasUoM
some gist:DataSizeUnit

gist:MolarQuantity
Amount of a substance, as counted molecules.
--- AND ---
rdfs:label
Molar Quantity
gist:Magnitude
gist:hasUoM
some gist:MoleUnit

gistTime

gistTime how timezones and some common precisions are modeled

Base URI : https://ontologies.semanticarts.com/o/gistTime
Version URI : https://ontologies.semanticarts.com/o/gistTimeX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTopX.x.x
Location : gistTopX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:GreenwichInstant
By default time instants are expressed in grenich, if you need to be explicit (to calculate offset for instance)
--- AND ---
rdfs:label
Greenwich instant
gist:TimeInstant
gist:timeZoneStandardUsed
has gist:_greenwichTimeZone

gist:TimeZoneStandard - gist:_greenwichTimeZone

gist:LocalInstant
A point in time expressed relative to a local time zone. Can be converted to Universal Time using the time zone offset. The precision is used to state how precise this instant is. Typical values would be day, hour, minute or second.
--- AND ---
rdfs:label
Local Instant
gist:timeZoneStandardUsed
some gist:TimeZoneStandard
gist:sameTimeAs
some gist:TimeInstant
gist:TimeInstant

gist:TimeZoneStandard
The algorithm for getting from Greenwich Mean Time to local time, which includes the time zone offset and rules about daylight savings time.
--- AND ---
rdfs:label
Time Zone Standard
gist:Specification
gist:basedOn
some gist:TimeZone

gist:TimeZone
A region that observes a uniform standard time for legal, commercial, and social purposes. A typical time zone averages 15° of longitude in width and typically observes a clock time one hour earlier than the zone immediately to the east.
--- AND ---
rdfs:label
Time Zone
gist:GeoRegion
gist:offsetToUniversal
some gist:Duration

gist:offsetToUniversal
Domain:gist:TimeZone Range:gist:Duration
How many hours the timezone if off GMT
rdfs:label
Offset To Universal

gist:sameTimeAs
Domain:gist:TimeInstant
Range:gist:TimeInstant
We can have two local time instants refer to the same time, the same universal time.
rdfs:label
Same Time As

gist:timeZoneStandardUsed
Domain:gist:TimeInstant
Range:gist:TimeZoneStandard
the "timezone" with Daylight savings adjust
rdfs:label
Time Zone Standard Used

gist:Duration - gist:_one_day
gist:decimalValue - *1.0 double*
gist:hasUoM
gist:DurationUnit - gist:_day
gist:convertToBase - *86400.0 double*
gist:hasBaseUnit
gist:BaseUnit - gist:_second

gist:Duration - gist:_one_minute
gist:decimalValue - *1.0 double*
gist:hasUoM
gist:DurationUnit - gist:_minute
gist:convertToBase - *1.0 double*
gist:hasBaseUnit
gist:BaseUnit - gist:_second

gist:Duration - gist:_one_millisecond
gist:decimalValue - *1.0 double*
gist:hasUoM
gist:DurationUnit - gist:_millisecond
gist:convertToBase - *0.001 double*
gist:hasBaseUnit
gist:BaseUnit - gist:_second

gist:DateInstant
A point in time known only to the accuracy of one day. Say the signing of the declaration of independence on 7/4/1776
--- AND ---
gist:TimeInstant
gist:hasPrecision
has gist:_one_day
rdfs:label
Date Instant

gist:HumanInstant
A point in time known only to the accuracy of one minute. For things like calendar appointments and time reporting
--- AND ---
gist:TimeInstant
gist:hasPrecision
has gist:_one_minute
rdfs:label
Human Instant

gist:SystemInstant
A point in time known to the accuracy of a millisecond. For posting transacion recorded on times
--- AND ---
gist:TimeInstant
gist:hasPrecision
has gist:_one_millisecond
rdfs:label
System Instant

gistPlace

gistPlace key GIS style primitives

Base URI : https://ontologies.semanticarts.com/o/gistPlace
Version URI : https://ontologies.semanticarts.com/o/gistPlaceX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistMeasureX.x.x
Location : gistMeasureX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:fromPlace
Range:gist:Place
origin
rdfs:label
From Place

gist:toPlace
Range:gist:Place
Destination
rdfs:label
To Place

gist:geoOccupies
(gist:geoOccupiedBy)
A thing occupies are region

Domain
--- OR ---
gist:PhysicalIdentifiableItem
gist:PhysicalSubstance

Range
--- OR ---
gist:Place

rdfs:label
Geo Occupies

gist:permanentGeoOccupies
(gist:permanentGeoOccupiedBy)
To be in a fixed position on the earth
rdfs:label
Permanent Geo Occupies

gist:geoContainedIn
All the transitive places something is located in
rdfs:label
Geo Contained In

gist:geoOccupiedBy
what is in the location
rdfs:label
Geo Occupied By

gist:hasPhysicalLocation
Range:gist:Place
Where something is located
rdfs:label
Has Physical Location

gist:permanentGeoOccupiedBy
What is in the fixed location
rdfs:label
Permanent Geo Occupied By

gist:geoDirectlyContainedIn
the neighborhood is in the city
rdfs:label
Geo Directly Contained In

gist:geoContains [T]
(gist:geoContainedIn)
Transitive version of geoDirectlyContains

Domain
--- OR ---
gist:GeoRoute
gist:GeoSegment
gist:Landmark
gist:Room
gist:GeoPoint
gist:GeoRegion
gist:GeoVolume

Range
--- OR ---
gist:GeoRoute
gist:GeoSegment
gist:Landmark
gist:Room
gist:GeoPoint
gist:GeoRegion
gist:GeoVolume

rdfs:label
Geo Contains

gist:geoDirectlyContains
(gist:geoDirectlyContainedIn)
The subject geospatially contains the object. E.g. the area of a city contains the area of its neighborhoods
rdfs:label
Geo Directly Contains

gist:GeoSegment
A single portion of a GeoRegion which has been divided (i.e., segmented).
--- AND ---
rdfs:label
Geo Segment
gist:fromPlace
exactly 1 gist:GeoPoint
gist:toPlace
exactly 1 gist:GeoPoint

gist:GeoRoute
An ordered set of GeoPoints that defines a path from starting point to ending point.
--- AND ---
rdfs:label
Geo Route
gist:OrderedCollection
gist:hasDirectPart
some gist:GeoSegment

gist:GeoVolume
A three-dimensional space on or near the surface of the Earth, such as an oil reservoir, the body of a lake, or an airspace.
--- AND ---
rdfs:label
Geo Volume
gist:geoDirectlyContains
some gist:GeoPoint
gist:hasMagnitude
some gist:Volume

gist:Place
Union of all the geo classes
--- OR ---
rdfs:label
Place
gist:GeoRoute
gist:GeoSegment
gist:Landmark
gist:Room
gist:GeoPoint
gist:GeoRegion
gist:GeoVolume

gist:Room
An enclosed area within a building.
--- AND ---
rdfs:label
Room
gist:directPartOf
some gist:Building
gist:identifiedBy
some gist:ID

gist:Landmark
Something permanently attached to the Earth.
--- AND ---
rdfs:label
Landmark
gist:PhysicalIdentifiableItem
gist:permanentGeoOccupies
some
--- OR ---
gist:GeoVolume
gist:GeoRegion

gist:Building
A man-made structure for dwelling or working.
rdfs:label
Building
Subclass of
gist:Landmark

gistEvent

gistEvent introduces distinctions between planned actual and hypothetical events

Base URI : https://ontologies.semanticarts.com/o/gistEvent
Version URI : https://ontologies.semanticarts.com/o/gistEventX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTimeX.x.x
Location : gistTimeX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

Temporal

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

gist:start

gist:end

gist:actual

gist:planned
Range:gist:TimeInstant
Dates that were in the future at the time they were made.

rdfs:label
Planned

gist:plannedStart
Range:gist:TimeInstant
A date/time that was at least at some point in time in the future. It may be in the past now, but when we planned it, it was in the future.

rdfs:label
Planned Start

gist:plannedEnd
Range:gist:TimeInstant
A date/time that was at least at some point in time in the future. It may be in the past now, but when we planned it, it was in the future.

rdfs:label
Planned End

rdfs:comment
NOTE: Most frequently applies to Event(s) and Offer(s). E.g. a conference or sale offer.

gist:recordedOn
Range:gist:TimeInstant
Date that something was posted, not necessarily the date it occurred. Must be after the occurred date, but could be before or after the planned date. (Unusual, but I could record today that I expected to be paid last week.)

rdfs:label
Recorded On

gist:lastModifiedOn
Range:gist:TimeInstant
Date that something was modified.

rdfs:label
Last Modified On

gist:occursAt
The geospatial place where something happened or will happen

rdfs:label
OccurAt

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.

rdfs:label
Has Sub Task

gist:hasDirectSubTask
(gist:directSubTaskOf)
Domain:gist:Task **Range:**gist:Task
Immediate child task

rdfs:label
Has Direct Sub Task

gist:subTaskOf [T]
All the upper tasks this task belongs ot

rdfs:label
Sub Task Of

gist:directSubTaskOf
Immediate parent task

rdfs:label
Direct Sub Task Of

gist:hasGoal
The reason for doing something

rdfs:label
Hs Goal

gist:Project
A project is a task (usually a longer duration task) made up of other tasks.
--- AND ---

rdfs:label
Project

gist:Task

gist:hasSubTask
some gist:Task

gist:TaskTemplate
An outline of task of a particular type, that will, when instantiated, generate an actual (unscheduled) task.
--- AND ---

rdfs:label
Template Task

gist:Template

gist:hasGoal
some gist:Intention

gist:Task
A task which has been defined and either scheduled or accomplished, or both.
--- AND ---

rdfs:label
Task

gist:Event

gist:hasGoal
some gist:Intention

gist:ScheduledTask
A task planned to occur. When it was scheduled, it would have been in the future, but now might be in the past.
--- AND ---

rdfs:label
Scheduled Task

gist:PlannedEvent

gist:Task

gist:Event

gist:PhysicalEvent
An event that can be said to have occurred at some place in space.
--- AND ---

rdfs:label
Physical Event

rdfs:comment
EXAMPLES: A meeting, a car accident.

rdfs:comment
NEGATIVE EXAMPLES: Excludes events that have no meaningful location, such as financial events or project milestones.

gist:Event

gist:occursAt
some gist:Place

gist:ContingentEvent
An event with a probability of happening in the future, and usually dependent upon some other event or condition.
--- AND ---

rdfs:label
Contingent Event

gist:Event

gist:plannedStart
some gist:TimeInstant

gist:plannedEnd
some gist:TimeInstant

gist:hasMagnitude
some gist:Percentage

gist:Event

gist:ContemporaneousEvent
An event that actually started after the present time. When we record an end time it ceases to be contemporaneous
--- AND ---

rdfs:label
Contemporaneous Event

rdfs:comment
NOTE: 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 a contemporaneous and historical event.

gist:Event

gist:actualStart
some gist:TimeInstant

gist:actualEnd
max 0 gist:TimeInstant

gist:HistoricalEvent
An event which occurred in time, with an actual end earlier than the present moment.
--- AND ---

rdfs:label
Historical Event

gist:Event

gist:actualStart
some gist:TimeInstant

gist:actualEnd
some gist:TimeInstant

gist:PlannedEvent
An event which, at the time it is created, is to occur in the future.
--- AND ---

rdfs:label
Planned Event

gist:Event

gist:plannedStart
some gist:TimeInstant

gist:plannedEnd
some gist:TimeInstant

gistAddress

gist:Address where we have the various kinds of addresses (postal, building as well as electronic)

Base URI : https://ontologies.semanticarts.com/o/gistAddress
Version URI : https://ontologies.semanticarts.com/o/gistAddressX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistPlaceX.x.x
Location : gistPlaceX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

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.

rdfs:label
Address

Subclass of
gist:Content

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

rdfs:label
Electronic Message Address

Subclass of
gist:Address

gist:communicationAddressOf
some

--- OR ---

gist:Person

gist:Organization

gist:TelephoneNumber
A numeric code a telephonic device uses for contacting another telephonic device.

rdfs:label
Telephone Number

rdfs:comment
EXAMPLES: Mobile, fax, or landline phone number.

Subclass of
gist:Address

gist:communicationAddressOf
some

--- OR ---

gist:Person

gist:Organization

gist:PostalAddress
A set of codes the postal authorities can use to deliver physical mail.

rdfs:label
Postal Address

rdfs:comment
EXAMPLES: a street address, a PO Box, an FPO code, or the route codes.

Subclass of
gist:Address

gist:communicationAddressOf
some

--- OR ---

gist:Person

gist:Organization

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

rdfs:label
Building Address

Subclass of
gist:Address

(N) gist:streetAddressOf
some gist:Building

gist:hasCommunicationAddress
(gist:communicationAddressOf)
Range:gist:Address
Points to a general class of places you can send messages including postal addresses, fax numbers, phone numbers, email, web site, etc.

rdfs:label
Has Communication Address

gist:communicationAddressOf
Whose address is this

rdfs:label
Communication Address Of

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.

rdfs:label
Has Street Address

gist:streetAddressOf
Whose street address is this

rdfs:label
Street Address Of

gistOrganization

gistOrganization Government Organizations are introduced

Base URI : https://ontologies.semanticarts.com/o/gistOrganization
Version URI : https://ontologies.semanticarts.com/o/gistOrganizationX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist	https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTopX.x.x
Location : gistTopX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

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

gist:recognizedBy
(gist:recognizes)
The entity that formally acknowledges the existence of, as the State recognizes the existence of a particular company

Range

--- OR ---

- gist:Person
- gist:Organization

rdfs:label
Recognized By

gist:directlyRecognizedBy
The party doing the recognition

rdfs:label
Directly RecognizedBy

gist:recognizes
Recognizes

rdfs:label
Recognizes

gist:GovernmentOrganization
An organization 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. Differs from a corporation in that it cannot be owned.

--- AND ---

rdfs:label
Government Organization

rdfs:comment
EXAMPLES: The State of Washington Office of Financial Management; the Food and Drug Administration; the Scottish Parliament.

gist:Organization

gist:recognizedBy
some gist:CountryGovernment

rdfs:comment
NOTE: Establishment by a CountryGovernment may be indirect via local, regional, or national GovernmentOrganization(s) that ultimately are recognized by a CountryGovernment.

gist:CountryGovernment
The geopolitical body that runs a geopolitical region recognized as a country.

--- AND ---

rdfs:label
Country Government

gist:GovernmentOrganization

gist:directlyRecognizedBy
has gist:_unitedNations

gist:governs
some gist:GeoRegion

gist:GeoPoliticalRegion
A collection of GeoRegions that are being administered by a Government Organization

--- AND ---

rdfs:label
GeoPolitical Region

gist:Collection

gist:hasMember
some gist:GeoRegion

gist:governedBy
some gist:GovernmentOrganization

gist:Group
A collection of People. The group may or may not be an Organization. Many organizations consist of groups of people, but that is not a defining characteristic.

--- AND ---

rdfs:label
Group

gist:Collection

gist:hasMember
some gist:Person

gistContent types of content and mediums

Base URI : https://ontologies.semanticarts.com/o/gistContent
Version URI : https://ontologies.semanticarts.com/o/gistContentX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTopX.x.x
Location : gistTopX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:fromAgent
The source of a message or shipment

Range

--- OR ---
- gist:Address
- gist:Person
- gist:Organization

rdfs:label
From Agent

gist:toAgent
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

Range

--- OR ---
- gist:Address
- gist:Person
- gist:Organization

rdfs:label
To Agent

gist:about
(gist:describedIn)
Domain:gist:Content
Subject matter of a document.

rdfs:label
About

gist:containedText
Range:string
Links to the string corresponding to Text

rdfs:label
Contained Text

gist:encryptedText
Range:string
Links to the string corresponding to EncryptedText

rdfs:label
Encrypted Text

gist:renderedOn
What media somethign was rendered On

rdfs:label
Rendered On

gist:describedIn
Docuemnt the subject matter appeared in

rdfs:label
Described In

gist:expressedIn
The language something was expressed in

rdfs:label
Expressed In

gist:Message
A specific instance of content sent from an Organization, Person, or Application to at least one other Organization, Person, or Application.
--- AND ---

rdfs:label
Message

rdfs:comment
EXAMPLES: An email message, a phone call, a voice message, or a Web Service message.

gist:ContentExpression

gist:fromAgent
some

--- OR ---
- gist:Person
- gist:Organization
- gist:Address

gist:toAgent
some

--- OR ---
- gist:Person
- gist:Organization
- gist:Address

gist:Text
Content expressed as words and numbers (not graphics).

rdfs:label
Text

Equivalent to
--- AND ---
- gist:Content
- gist:expressedIn
  some gist:Language
- gist:containedText
  some string

gist:Medium
A physicality on which a work could be implemented or exposed. E.g., paper, clay, or a computer monitor.

rdfs:label
Medium

Subclass of
gist:Category

gist:GeneralMediaType
The real-world media type for content.

rdfs:label
General Media Type

rdfs:comment
EXAMPLE: audio, still image, video, textual, physical (e.g., a statue), or performance (i.e. a play). Or it could be oil or pastel for a painting.

Subclass of
gist:Category

gist:MimeType
A digitized type that computer applications can recognize.

rdfs:label
MIME Type

Subclass of
gist:Category

gist:ContentExpression
Intellectual Property reduced to text, audio etc. If it contains text (written or spoken), it may be in a language.

rdfs:label
Content Expression

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. (E.g., html, pdf, jpg.)
--- AND ---

rdfs:label
Formatted Content

gist:ContentExpression

gist:expressedIn
some gist:MimeType

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

rdfs:label
Rendered Content

gist:ContentExpression

gist:expressedIn
some gist:MimeType

gist:renderedOn
some gist:Medium

gistAgreement

GistAgreement has the basics for all types of contracts

Base URI : https://ontologies.semanticarts.com/o/gistAgreement
Version URI : https://ontologies.semanticarts.com/o/gistAgreementX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist	https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistIntentionX.x.x
Location : gistIntentionX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:ContractTerm
A specification of some aspect of a contract.

rdfs:label
Contract Term

Subclass of
gist:Specification

gist:Offer
A commitment to buy or sell a described or identified part or service.
--- AND ---

rdfs:label
Offer

gist:plannedEnd
some gist:TimeInstant

gist:start
some gist:TimeInstant

gist:hasMagnitude
some gist:Monetary

gist:giver
some
--- OR ---
gist:Person
gist:Organization

gist:hasDirectPart
some gist:CatalogItem

gist:ContingentObligation

gist:Agreement
soemthing which two or more People or Organizations mutually commit to do
--- AND ---

rdfs:label
Agreement

gist:Commitment

gist:hasDirectPart
min 2 gist:Obligation

gist:hasParty
some
--- OR ---
gist:Person
gist:Organization

gist:Commitment
An obligation (possibly unilateral).
--- AND ---

rdfs:label
Commitment

gist:giver
some
--- OR ---
gist:Person
gist:Organization

gist:categorizedBy
some gist:DegreeOfCommitment

--- OR ---
gist:Restriction
gist:Requirement

gist:hasParty
The people or organizations participating in an agreement or obligation

Range
--- OR ---
gist:Person
gist:Organization

rdfs:label
Has Party

gist:hasJurisdiction
when laws and contracts are meeted out

rdfs:label
Has Jurisdiction

gist:Obligation
A future commitment from one organization or person to another. Contracts are sets of obligations to do or forebear, or to indemnify or warrant.

rdfs:label
Obligation

rdfs:comment
NOTE: Obligations will often be governed by some Agreement or Offer.

Equivalent to
--- AND ---
gist:Commitment

gist:giver
some
--- OR ---
gist:Person
gist:Organization

gist:getter
some
--- OR ---
gist:Person
gist:Organization

gist:Contract
an Agreement which can be enforced by law
--- AND ---

rdfs:label
Contract

gist:Agreement

gist:hasJurisdiction
some gist:GovernmentOrganization

gist:ContingentObligation
An obligation that is not yet firm. There is some contingent event, the occurrence of which will cause the obligation to become firm.

rdfs:label
Contingent Obligation

rdfs:comment
NOTE: A contingent obligation might have a getter counterparty (as in the case of insurance); but it might not (as in the case of an offer).

Equivalent to
--- AND ---
gist:Commitment

gist:giver
some
--- OR ---
gist:Person
gist:Organization

gist:triggeredBy
some gist:Event

gist:Account
An agreement having a balance, as in a bank account, or credit card account, or Accounts Receivable account.
--- AND ---

rdfs:label
Account

gist:Agreement

gist:hasMagnitude
some gist:Balance

gist:Balance
An amount decremented or incremented by a series of transactions.
--- AND ---

rdfs:label
Balance

gist:Magnitude

gist:affectedBy
some gist:Transaction

gist:Transaction
An event which has an effect on at least one accumulator.

rdfs:label
Transaction

Subclass of
gist:Event

gist:giver
The active party, the one with the obligation or the one initiating the transfer

rdfs:label
Giver

X

gist:getter
The reciptient

rdfs:label
Getter

gist:DegreeOfCommitment
The difficulty of reversing a commitment.

rdfs:label
Degree Of Commitment

rdfs:comment
EXAMPLE: A car rental typically has a lower degree of commitment than an airfare reservation.

Subclass of
gist:Category

gist:affects
(gist:affectedBy)
the subject has or had or will have an effect on the object

rdfs:label
Affects

gist:affectedBy
Where the effect came from

rdfs:label
Affected By

gistTemporalRelation

gistTe3mporal the parent class of all Temporal Relations

Base URI : https://ontologies.semanticarts.com/o/gistTemporalRelation
Version URI : https://ontologies.semanticarts.com/o/gistTemporalRelationX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist	https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTimeX.x.x
Location : gistTimeX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:connectedTo
A non owning, non causal, non-subordinate (ie. peer to peer) relationship.

rdfs:label
Connected To

gist:TemporalRelation
A relationship existing for a period of time.

rdfs:label
Temporal Relation

rdfs:comment
NOTE: A temporal relation must be gist:connectedTo a minimum of two objects. For example, a temporal relation representing a period of employment is connected both to the person and to the role/position they held.

rdfs:comment
EXAMPLES: employs-Employment, hasStreetAddress-EstablishedLocation. One important context for reifying a property.

(N) gist:start
some gist:TimeInstant

(N) gist:end
some gist:TimeInstant

(N) gist:connectedTo
min 2 owl:Thing

gistCategory

gist:Category is how we model Taxonomies and Tags

Base URI : https://ontologies.semanticarts.com/o/gistCategory
Version URI : https://ontologies.semanticarts.com/o/gistCategoryX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTopX.x.x
Location : gistTopX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:hasTag
Used for folksonomy style categories (non controlled vocabulary)

rdfs:label
has Tag

gist:Tag
This is for folksonomy type terms, which can be made up on the fly by users.
--- AND ---

rdfs:label
Tag

gist:Category

gist:hasTag
some string

gist:ControlledVocabulary
A collection of terms approved and managed by some organization or person.
--- AND ---

rdfs:label
Controlled Vocabulary

gist:Collection

gist:hasMember
some gist:Category

gist:governedBy
some

--- OR ---

gist:Person

gist:Organization

gist:hasSubCategory
Has Sub Category

rdfs:label
Has Sub Category

gist:hasSuperCategory
(gist:hasSubCategory)
Categories linked in this way are to represent true sub types. The categories aren't subtypes but classes defined by a supercategory will be a superclass of one derrived from its sub

rdfs:label
Has Super Category

gist:hasUniqueSuperCategory [F]
Used for taxos that must have single parents

rdfs:label
Has Unique Super Category

gist:hasNavigationalChild
Used for informal hierarchical taxonomies. Supports polyhierarchies

rdfs:label
Has Navigational Child

gist:hasNavigationalParent
(gist:hasNavigationalChild)
Used for informal hierarchical taxonomies. Supports polyhierarchies

rdfs:label
Has Navigational Parent

gist:hasUniqueNavigationalParent [F]
Used for taxos that must have single parents

rdfs:label
Has Unique Navigational Parent

gist:Taxonomy
A controlled vocabulary arranged as a hierarchy of concepts.

rdfs:label
Taxonomy

Equivalent to
--- AND ---

gist:ControlledVocabulary

gist:hasMember
some

--- AND ---

gist:Category

--- OR ---

gist:hasSuperCategory
some gist:Category

gist:hasSubCategory
some gist:Category

gistIntention

gistIntention the Teleological aspect of systems. Whey are we doing something.

Base URI : https://ontologies.semanticarts.com/o/gistIntention
Version URI : https://ontologies.semanticarts.com/o/gistIntentionX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistTopX.x.x
Location : gistTopX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:prevents
Domain:gist:Intention
Range:gist:Behavior
The intention (say a law) is intended to prevent this kind of behavior (say jaywalking)

rdfs:label
Prevents

gist:allows
Domain:gist:Intention
Range:gist:Behavior
The intention (say a grant) allows a particular kind of activity (for instance egress)

rdfs:label
Allows

gist:requires
Domain:gist:Intention
Range:gist:Behavior
An intention that sets out a state of satisfaction (you are required to drive on right side of the road)

rdfs:label
Requires

gist:conformsTo
Range:gist:Intention
The subject conforms to the Object, e.g. meet an obligation, meet terms of an offer, adhere to a specification

rdfs:label
Conforms To

gist:basisFor
(gist:basedOn)
Reason for an event

rdfs:label
Basis For

gist:Restriction
A description of things one is prevented from doing. Most laws are restrictions.
--- AND ---

rdfs:label
Restriction

gist:Intention

gist:prevents
some gist:Behavior

gist:Requirement
A documented physical or functional need that a particular design, product, or process must be able to perform. Alternately, the obligation of a person or organization to behave in a certain way (i.e., drive on the right side of the road).

rdfs:label
Requirement

Subclass of
gist:Intention

gist:requires
some gist:Behavior

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

rdfs:label
Specification

Subclass of
gist:Requirement

gist:Goal
A specific intentional endpoint. One can tell whether it has been achieved, as opposed to an intention, which may not have an evaluation function.

rdfs:label
Goal

Subclass of
gist:Intention

gist:Permission
A description of things one is permitted to do. This could be broad, such as free speech, but more often is very specific, such as the right of egress through a particular property.
--- AND ---

rdfs:label
Permission

gist:Intention

gist:allows
some gist:Behavior

gist:ProductSpecification
Offering something which could be physically warehoused or digitally stored.
--- AND ---

rdfs:label
Product Specification

gist:CatalogItem

gist:categorizedBy
some gist:ProductCategory

gist:ServiceSpecification
A description of something that can be done for a person or organization (which produces some form of an act).
--- AND ---

rdfs:label
Service Specification

gist:CatalogItem

gist:basisFor
some gist:Event

gist:CatalogItem
A description of a product or service to be delivered, given in a sufficient level of detail that a receiver could determine whether delivery constituted discharge of the obligation to deliver.

rdfs:label
Catalog Item

rdfs:comment
NOTE: In short, an unambiguous characterization of what it is that a potential buyer is paying for.

Subclass of
gist:Specification

gist:BundledCatalogItem
Any combination of descriptions of things offered together. Could be a kit (several parts offered together), but could also be a product plus a warranty.
--- AND ---

rdfs:label
Bundled Catalog Item

gist:CatalogItem

gist:hasDirectPart
some gist:CatalogItem

gist:ProductCategory
Any of many ways of categorizing products, including models, NATO product codes, and the like.

rdfs:label
Product Category

Subclass of
gist:Category

gistMeasure

gistMeasure adds the act of measuring to magnitude

Base URI : https://ontologies.semanticarts.com/o/gistMeasure
Version URI : https://ontologies.semanticarts.com/o/gistMeasureX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistEventX.x.x
Location : gistEventX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:hasMember

gist:hasOrderedMember [IF]
(gist:orderedMemberOf)
An inverse functional version of hasMember to ensure that no OrderedMember can be in more than one OrderedCollection., which can quickly lead to problems.

rdfs:label
Has Ordered Member

gist:ReferenceValue
A measure that was neither measured nor estimated but set by fiat. For instance, a goal. There is no Measurement associated with a ReferenceValue.

rdfs:label
Reference Value

Subclass of
gist:Magnitude

gist:Category

gist:Aspect
A very general term for the characteristic of something that is being measured. E.g., property (height) or a process (cycle time) or a behavior (loyalty).

rdfs:label
Aspect

gist:aspectOf
some
--- OR ---
gist:PhysicalSubstance
gist:PhysicalIdentifiableItem
gist:Organization
gist:Event
gist:Magnitude

gist:orderedMemberOf [IF]
An inverse of has Ordinal Member

rdfs:label
Ordered Member Of

gist:aspectOf
What this aspect is referring to

rdfs:label
Aspect Of

gist:OrderedCollection
A collection where the members are in a fixed sequence.

rdfs:label
Ordered Collection

Subclass of
gist:Collection

gist:sequence
some integer

gist:OrdinalCollection
An Ordered Collection where no item can be of the same rank as any other item. In mathematical terms, this is a 'strict total order'.

rdfs:label
Ordinal Collection

Subclass of
gist:OrderedCollection

(N) gist:hasOrderedMember
all gist:OrdinalMember

gist:Category

gist:OrdinalMember
A member of an Ordinal Collection. It necessarily precedes or is preceded by another Ordinal Member in the same collection. (This last condition cannot be formally stated in OWL).

rdfs:label
Ordinal Member

(NS) gist:orderedMemberOf
some gist:OrdinalCollection

Subclass of
--- OR ---
gist:directlyPrecedes
some gist:OrdinalMember

gist:directlyPrecededBy
some gist:OrdinalMember

gist:precedes [T]
A generic ordering relation indicating that the Subject has the same order as or comes before the Object. The 'greater than or equal to' symbol is often used for this relation.

rdfs:label
Precedes

gist:directlyPrecedes
(gist:directlyPrecededBy)
A generic ordering relation indicating that the Subject comes immediately before the Object.

rdfs:label
Directly Precedes

gist:directlyPrecededBy
Inverse of directly precedes

rdfs:label
Directly Preceded By

gistDimensionedUnits

gistX.x.x dimensioned units of measure. This extension allows (and requires) you to have a conversion factor for all units with the same dimension. If you introduce MilesPerHour you will have to supply the conversion to MetersPerSecond (even though the system "knows" how to convert Miles to meters and hours to seconds. You will have to supply and addtional conversion when you introduce KilometersPerHour. Any new combination of primtive rations requires a new Dimension. While this is a burden, it allows units to be converted in sparql

Base URI : https://ontologies.semanticarts.com/o/gistUnitDim
Version URI : https://ontologies.semanticarts.com/o/gistUnitDimX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistUnitX.x.x
Location : gistUnitX.x.x.owl

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

gist:CoherentUnit
A unit that is expressed in units that have no conversions. It may be a simple unit. It may also be a product or ratio unit that bottoms out in simple units.
--- OR ---

rdfs:comment
NOTE: coherent unit is the physics term for this, informally you might think of it as the standard unit for a given dimension.

rdfs:comment
NOTE: in principle, the CoherentUnit for a ProductUnit or RatioUnit can be inferred by recursively decomposing the products and ratios into their respective CoherentUnits, bottoming out in SimpleUnits

rdfs:comment
EXAMPLEs: a simple unit: kilogram

rdfs:comment
EXAMPLEs: the standard unit for acceleration is meters per square second (feet per square second requires a conversion)

gist:BaseUnit

gist:CoherentRatioUnit

gist:CoherentProductUnit

rdfs:label
Coherent Unit

gist:CoherentRatioUnit
A ratio unit whose numerator and denominator reduce to 1
--- AND ---

gist:RatioUnit

gist:numerator
all
--- OR ---
gist:CoherentRatioUnit
gist:CoherentProductUnit
gist:BaseUnit

gist:denominator
all
--- OR ---
gist:CoherentRatioUnit
gist:CoherentProductUnit
gist:BaseUnit

rdfs:label
Coherent Ratio Unit

gist:CoherentProductUnit
A ratio unit whos numerator and denominator reduce to 1
--- AND ---

gist:ProductUnit

gist:multiplier
all
--- OR ---
gist:CoherentRatioUnit
gist:CoherentProductUnit
gist:BaseUnit

gist:multiplicand
all
--- OR ---
gist:CoherentRatioUnit
gist:CoherentProductUnit
gist:BaseUnit

rdfs:label
Coherent Product Unit

gist:convertToBase

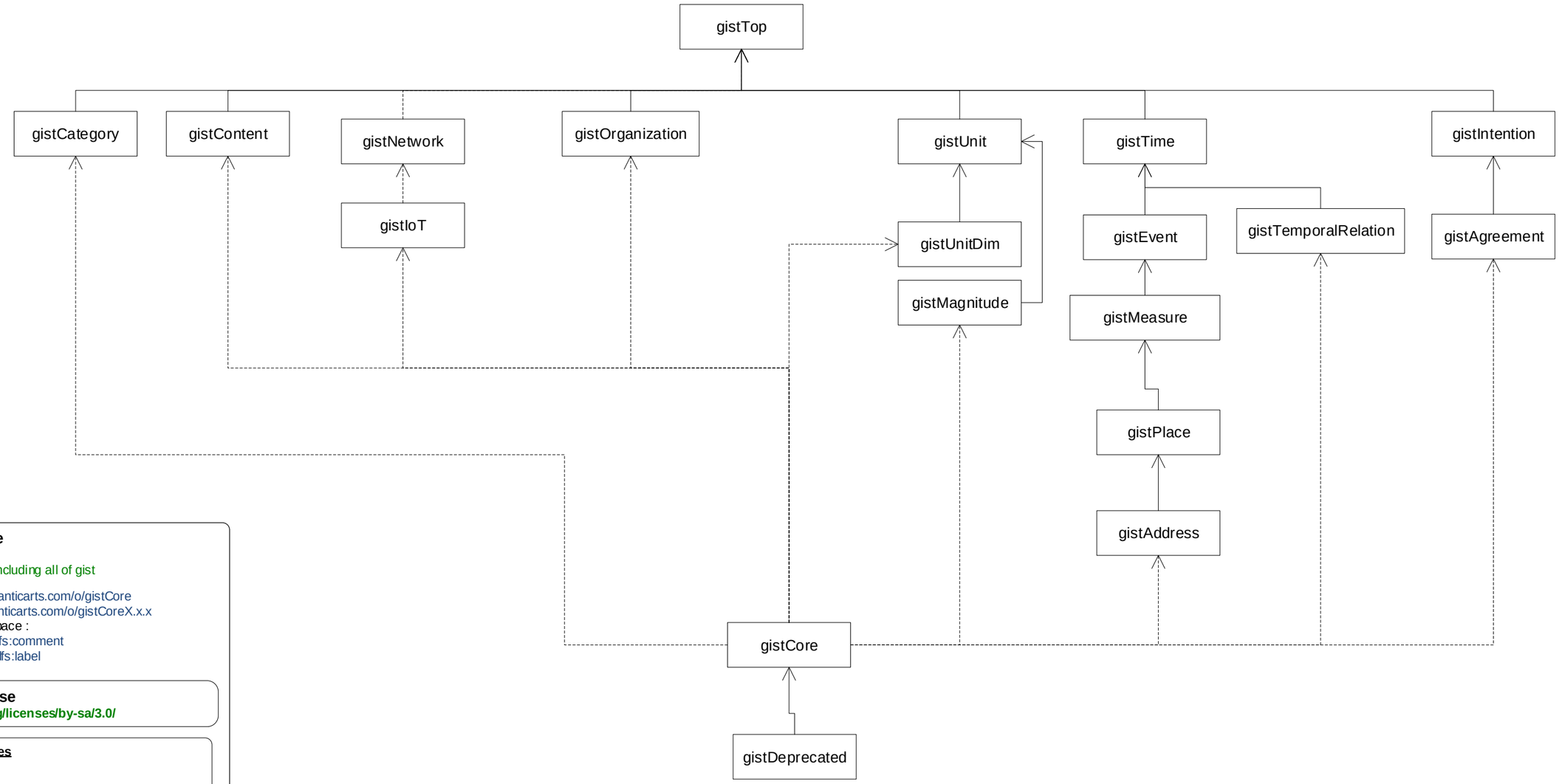
gist:convertToStandard
Domain:gist:UnitOfMeasure
Range:double
Note this kind of conversion will only work with temperatures if they are in Kelvin or Rankine (with a true 0). You multiply to get to the base, divide to go from the base. mph to mps is .44704. The multiple from kph to mps is .277778 . To convert 60 mph to kph is (60 * .44704 / .277778 or 96.56056 kph

rdfs:label
Convert To Standard

gist:hasStandardUnit
Domain:gist:UnitOfMeasure
Range:gist:CoherentUnit
For a complex unit refers to a unit that has all the component parts in SI

rdfs:label
Has Standard Unit

gist:hasBaseUnit



gistCore

gistCore convienience for including all of gist

Base URI : https://ontologies.semanticarts.com/o/gistCore
Version URI : https://ontologies.semanticarts.com/o/gistCoreX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label : rdfs:label

gist:license
https://creativecommons.org/licenses/by-sa/3.0/

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistCategoryX.x.x
Location : gistCategoryiiX.x.x.owl

URI : https://ontologies.semanticarts.com/o/gistContentX.x.x
Location : gistContentX.x.x.owl

URI : https://ontologies.semanticarts.com/o/gistAddressX.x.x
Location : gistAddressX.x.x.owl

URI : https://ontologies.semanticarts.com/o/gistMagnitudeX.x.x
Location : gistMagnitudeX.x.x.owl

URI : https://ontologies.semanticarts.com/o/gistOrganizationX.x.x
Location : gistOrganizationX.x.x.owl

URI : https://ontologies.semanticarts.com/o/gistUnitDimX.x.x
Location : gistUnitDimX.x.x.owl

URI : https://ontologies.semanticarts.com/o/gistAgreementX.x.x
Location : gistAgreementX.x.x.owl

URI : https://ontologies.semanticarts.com/o/gistTemporalRelationX.x.x
Location : gistTemporalRelationX.x.x.owl

URI : https://ontologies.semanticarts.com/o/gistIoTX.x.x
Location : gistIoT8.2.0.owl

gist:of

owl:deprecated
true

gistDeprecated

Concepts that have been deprecated since the last external release

Base URI : https://ontologies.semanticarts.com/o/gistDeprecated
Version URI : https://ontologies.semanticarts.com/o/gistDeprecatedX.x.x
Default Namespace :
Default Comment: rdfs:comment
Default Label :

Namespaces

gist https://ontologies.semanticarts.com/gist/

Imports

URI : https://ontologies.semanticarts.com/o/gistCoreX.x.x
Location : gistCoreX.x.x

gist:hasA [IF]
(gist:of)
The subject exclusively has or possesses the object, 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.

owl:deprecated
true

gist:party
Range:gist:SocialBeing
The people or organizations participating in an agreement or obligation

owl:deprecated
true

gist:time
Domain:gist:TimeInstant

owl:deprecated
true

gist:universalTime
Domain:gist:TimeInstant

gist:localTime
Domain:gist:TimeInstant

gist:date
Domain:gist:TimeInstant

owl:deprecated
true

Note only the parent property was deleted

gist:universalDate
Domain:gist:TimeInstant

gist:localDate
Domain:gist:TimeInstant

gist:dateTime
Domain:gist:TimeInstant Range:dateTime

owl:deprecated
true

gist:universalDateTime
Domain:gist:TimeInstant Range:dateTime

gist:localDateTime
Domain:gist:TimeInstant Range:dateTime

gist:PhysicalThing

rdfs:label
Physical Thing

Equivalent to
--- OR ---

gist:PhysicalIdentifiableItem

gist:PhysicalSubstance

owl:deprecated
true

gist:TimeInterval

rdfs:label
Time Interval

rdfs:comment
EXAMPLE: Jan 1 through Jan 8, 2013.

rdfs:comment
NEGATIVE EXAMPLE: "8:00am" (with no date).

rdfs:comment
NOTE: While Time Interval has a Duration, it is not itself a Duration.

rdfs:comment
NOTE: The end should be later than the start, but this is not enforced via OWL.

owl:deprecated
true

(N) gist:start
some gist:TimeInstant

(N) gist:end
some gist:TimeInstant

(N) gist:hasMagnitude
some gist:Duration

Change Log Management
-As you work, record changes on the change log as version X.x until it is time to save out a release (internal or external)
-Then, before saving out a release, update all change log entries marked as "X.x" to the version number you are about to save out (this should be all changes since last release)

KEY for Change Log
V: Visio/Visualization changes only, not affect the owl (callouts, layout, grouping etc)
CL: for clarity only, better comments, fixing typos, laying out differently, etc.
AD: purely additive, will not affect anything already existing.
RF: refactoring, no semantic import. Includes changing names where old name is deprecated.
SU: has semantic import from usage perspective, e.g. a comment changes usage which could give semantic errors.
SI: has semantic import from inference perspective. axiom added, removed, changed etc.
BI: Backwards incompatible

gistX.x Change Log

gist9 Change Log

X.x.x 11/27/2018	42 issues from git went into this release many of which were not backward compatible hence X.x.x
X.x.x 11/27/2018	Most are in the gistCouncil persentation of 12/6/2018
X.x.x 12/6/2018	Also changed gist:occuredAt to gist:occurAt
X.x.x 3/27/2019	changed gist:occurAt to gist:occursAt
X.x.x 3/27/2019	PhysicalEvent changed it from ocursAt GeoRegion to occursAt Place
X.x.x 3/27/2019	geoOccupies range changed from GeoRegion or GeoVolume to Place
X.x.x 3/27/2019	removed gist:preferredTerm (we can use skos:prefLabel if we need this)
X.x.x 3/27/2019	Relaxed exactly 1 to some values for RatioUnit and ProductUnit
X.x.x 3/27/2019	changed all namespaces from http: to https:
X.x.x 3/30/2019	made a definition for taxonomy that would distinguish it from controlled vocabulary (by being hierarchical)

To be included in ChangeLog of next external release: