Factory

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Chapter 1

Module Documentation

1.1 Entities

1.1.0.1 ogit/Factory/Component

A machinery or equipment component of a factory.

- id: http://www.purl.org/ogit/Factory/Component
- valid-from: Tue Dec 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- optional:
  - ogit/Factory/equipmentNumber
  - ogit/description
  - ogit/name
  - ogit/status
  - ogit/subType

incoming edges

- ogit/affects <= ogit/Factory/Action
- ogit/affects <= ogit/Factory/Failure
- ogit/contains <= ogit/Factory/Component
- ogit/contains <= ogit/Factory/Plant
- ogit/corresponds <= ogit/Factory/Component

outgoing edges

- ogit/contains => ogit/Factory/Component
- ogit/corresponds => ogit/Factory/Component

1.1.0.2 ogit/Factory/ProductionLine

TODO.

- id: http://www.purl.org/ogit/Factory/ProductionLine
- valid-from: Fri Oct 19 00:00:00 UTC 2018
- creator: Kaushik
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/Factory/hasAI <= ogit/Factory/Factory

outgoing edges

- ogit/contains => ogit/Factory/Machine
- ogit/produces => ogit/Product

1.1.0.3 ogit/Factory/Action

An action performed at a machine or component of a manufacturing plant.

- id: http://www.purl.org/ogit/Factory/Action
- valid-from: Tue Dec 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- optional:
  - ogit/description
  - ogit/duration
  - ogit/durationUnit
  - ogit/frequency
  - ogit/name
  - ogit/subType

incoming edges

- ogit/requires <= ogit/Factory/Action

outgoing edges

- ogit/affects => ogit/Factory/Component
- ogit/affects => ogit/Factory/Machine
- ogit/requires => ogit/Factory/Action
- ogit/responds => ogit/Factory/Failure

1.1.0.4 ogit/Factory/Plant

A manufacturing plant, which may consist of multiple machinery and equipment components.

- id: http://www.purl.org/ogit/Factory/Plant
- valid-from: Tue Dec 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- optional:
  - ogit/description
  - ogit/name
  - ogit/status

outgoing edges

- ogit/belongs => ogit/Factory/Factory
- ogit/contains => ogit/Factory/Component
- ogit/locatedAt => ogit/Location

1.1.0.5 ogit/Factory/Machine

TODO.

- id: http://www.purl.org/ogit/Factory/Machine
- valid-from: Fri Oct 19 00:00:00 UTC 2018
- creator: Kaushik
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/affects <= ogit/Factory/Action
- ogit/contains <= ogit/Factory/ProductionLine

1.1.0.6 ogit/Product

A commercially distributed good or service

- id: http://www.purl.org/ogit/Product
- valid-from: Thu Feb 08 00:00:00 UTC 2018
- creator: Viktor Voss
- scope: SGO
- parent: ogit/Node

attributes

- optional:
  - ogit/name

incoming edges

- ogit/produces <= ogit/Factory/ProductionLine

1.1.0.7 ogit/Factory/StorageTank

TODO.

- id: http://www.purl.org/ogit/Factory/StorageTank
- valid-from: Fri Oct 19 00:00:00 UTC 2018
- creator: Kaushik
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/uses <= ogit/Factory/Factory

1.1.0.8 ogit/Factory/StorageInventory

TODO.

- id: http://www.purl.org/ogit/Factory/StorageInventory
- valid-from: Fri Oct 19 00:00:00 UTC 2018
- creator: Kaushik
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/uses <= ogit/Factory/Factory

1.1.0.9 ogit/Factory/Factory

A factory in a producing company.

- id: http://www.purl.org/ogit/Factory/Factory
- valid-from: Fri Oct 19 00:00:00 UTC 2018
- creator: Kaushik
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/belongs <= ogit/Factory/Plant

outgoing edges

- ogit/Factory/hasAI => ogit/Factory/ProductionLine
- ogit/locatedIn => ogit/Location
- ogit/uses => ogit/Factory/StorageInventory
- ogit/uses => ogit/Factory/StorageTank

1.1.0.10 ogit/Location

A place where some some service is offered or requested. In many cases this will be related to a an address of an Organization. Similar to http://purl.org/goodrelations/v1#Location

- id: http://www.purl.org/ogit/Location
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem
- scope: SGO
- parent: ogit/Node

attributes

- mandatory:
  - ogit/name
- optional:
  - ogit/description

incoming edges

- ogit/locatedAt <= ogit/Factory/Plant
- ogit/locatedIn <= ogit/Factory/Factory

1.1.0.11 ogit/Factory/Failure

A failure of a manufacturing plant, machinery component or equipment.

- id: http://www.purl.org/ogit/Factory/Failure
- valid-from: Tue Dec 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- optional:
  - ogit/description
  - ogit/name
  - ogit/severity
  - ogit/status
  - ogit/subType

incoming edges

- ogit/causes <= ogit/Factory/Failure
- ogit/responds <= ogit/Factory/Action

outgoing edges

- ogit/affects => ogit/Factory/Component
- ogit/causes => ogit/Factory/Failure

1.2 Verbs

1.2.0.1 ogit/contains

This relationship indicates that something is part of something else. see also "includes"

- id: http://www.purl.org/ogit/contains
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/Factory/Component => ogit/Factory/Component
- ogit/Factory/Plant => ogit/Factory/Component
- ogit/Factory/ProductionLine => ogit/Factory/Machine

1.2.0.2 ogit/Factory/hasAI

TODO.

- id: http://www.purl.org/ogit/Factory/hasAI
- valid-from: Fri Oct 19 00:00:00 UTC 2018
- creator: arago GmbH

Allowed Connection

- ogit/Factory/Factory => ogit/Factory/ProductionLine

1.2.0.3 ogit/locatedAt

Indicates that an entity is located at another entity.

- id: http://www.purl.org/ogit/locatedAt
- valid-from: Fri Sep 20 00:00:00 UTC 2019
- creator: Marek Meyer

Allowed Connection

- ogit/Factory/Plant => ogit/Location

1.2.0.4 ogit/locatedIn

indicate that something has its place somewhere

- id: http://www.purl.org/ogit/locatedIn
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/Factory/Factory => ogit/Location

1.2.0.5 ogit/corresponds

Indicates wether one entity could correpond to a more general one, e.g. an Incident could correspond to a Ticket

- id: http://www.purl.org/ogit/corresponds
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/Factory/Component => ogit/Factory/Component

1.2.0.6 ogit/affects

The relationship indicates that one entity affects some other entity.

- id: http://www.purl.org/ogit/affects
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/Factory/Action => ogit/Factory/Component
- ogit/Factory/Action => ogit/Factory/Machine
- ogit/Factory/Failure => ogit/Factory/Component

1.2.0.7 ogit/requires

Indicates dependencies between entities in the sense of "necessary condition".

- id: http://www.purl.org/ogit/requires
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/Factory/Action => ogit/Factory/Action

1.2.0.8 ogit/responds

This relationship indicates that one entity is a response to another. For example, parts of a conversation/fourm thread.

- id: http://www.purl.org/ogit/responds
- valid-from: Mon Apr 27 00:00:00 UTC 2015
- creator: cwalker@arago.de

Allowed Connection

- ogit/Factory/Action => ogit/Factory/Failure

1.2.0.9 ogit/causes

Indicates that one entity causes the creation of another one. E.g. an error situation during change execution might lead to a new incident ticket.

- id: http://www.purl.org/ogit/causes
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/Factory/Failure => ogit/Factory/Failure

1.2.0.10 ogit/produces

This relationship indicates that one produces some work for another.

- id: http://www.purl.org/ogit/produces
- valid-from: Mon Aug 08 00:00:00 UTC 2016
- creator: Alexander Ryabtsev

Allowed Connection

- ogit/Factory/ProductionLine => ogit/Product

1.2.0.11 ogit/belongs

Verb showing if one entity belongs to another.

- id: http://www.purl.org/ogit/belongs
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/Factory/Plant => ogit/Factory/Factory

1.2.0.12 ogit/uses

This relationship indicates that some entity is used by some other.

- id: http://www.purl.org/ogit/uses
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/Factory/Factory => ogit/Factory/StorageInventory
- ogit/Factory/Factory => ogit/Factory/StorageTank

1.3 Attributes

1.3.0.1 ogit/severity

Stores a severity. E.g. Some event management systems might store a severity field.

- id: http://www.purl.org/ogit/severity
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
  - ogit/Factory/Failure

1.3.0.2 ogit/status

A status for an entity. At this level of specification no list of values is specified. However, applications using this attribute are expected to allow only a fixed list of values that seems usefual in the application's semantic context.

- id: http://www.purl.org/ogit/status
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
  - ogit/Factory/Component
  - ogit/Factory/Failure
  - ogit/Factory/Plant

1.3.0.3 ogit/frequency

This field specifies a frequency at which e.g. events occur.

- id: http://www.purl.org/ogit/frequency
- valid-from: Tue Dec 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
  - ogit/Factory/Action

1.3.0.4 ogit/name

Contains a name.

- id: http://www.purl.org/ogit/name
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- mandatory:
  - ogit/Location
- optional:
  - ogit/Factory/Action
  - ogit/Factory/Component
  - ogit/Factory/Failure
  - ogit/Factory/Plant
  - ogit/Product

1.3.0.5 ogit/description

Contains a description.

- id: http://www.purl.org/ogit/description
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
  - ogit/Factory/Action
  - ogit/Factory/Component
  - ogit/Factory/Failure
  - ogit/Factory/Plant
  - ogit/Location

1.3.0.6 ogit/duration

This field represents a duration of an event, activity, phase, etc. It is recommended to use this attribute in conjunction with durationUnit.

- id: http://www.purl.org/ogit/duration
- valid-from: Tue Dec 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
  - ogit/Factory/Action

1.3.0.7 ogit/Factory/equipmentNumber

A unique identifier of a piece of equipment.

- id: http://www.purl.org/ogit/Factory/equipmentNumber
- valid-from: Tue Dec 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
  - ogit/Factory/Component

1.3.0.8 ogit/subType

A subtype of an an entity.

- id: http://www.purl.org/ogit/subType
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - ogit/Factory/Action
  - ogit/Factory/Component
  - ogit/Factory/Failure

1.3.0.9 ogit/durationUnit

This field specifies the unit of a duration, e.g. seconds, minutes, hours, days, or years.

- id: http://www.purl.org/ogit/durationUnit
- valid-from: Tue Dec 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
  - ogit/Factory/Action