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Chapter 1

Module Documentation

1.1 Entities

1.1.0.1 ogit/SalesDistribution/Payment

A payment in the sales and distribution process.

• id: http://www.purl.org/ogit/SalesDistribution/Payment

valid-from: Wed Jul 10 00:00:00 UTC 2019

· creator: Marek Meyer

· scope: NTO

· parent: ogit/Node

attributes

- optional:
 - ogit/SalesDistribution/amount
 - ogit/SalesDistribution/transactionDate
 - ogit/SalesDistribution/transactionId
 - ogit/SalesDistribution/valueDate
 - ogit/currency
 - ogit/description
 - ogit/name
 - ogit/status

incoming edges

- ogit/belongs <= ogit/SalesDistribution/OpenItem
- ogit/provides <= ogit/SalesDistribution/Customer

outgoing edges

• ogit/belongs => ogit/SalesDistribution/SalesOrder

1.1.0.2 ogit/MARS/Application

Vertices of this type are the 'A'-nodes in the MARS model. 'A' stands for 'Application' and those nodes form the highest layer in the A-R-S-M layer model. An 'Application' node groups 'Resource' nodes which form one business application.

• id: http://www.purl.org/ogit/MARS/Application

• valid-from: Fri Jun 01 00:00:00 UTC 2018

creator: FCOscope: NTO

· parent: ogit/Node

attributes

- · mandatory:
 - ogit/MARS/Application/class
 - ogit/MARS/Application/subClass
 - ogit/name
- · optional:
 - ogit/Automation/automationState
 - ogit/Automation/lifecycle
 - ogit/Automation/marsNodeType
 - ogit/Automation/serviceStatus

incoming edges

- ogit/belongs <= ogit/SalesDistribution/Customer
- ogit/belongs <= ogit/SalesDistribution/SalesOrder

1.1.0.3 ogit/SalesDistribution/SalesOrder

A sales order placed by a customer.

• id: http://www.purl.org/ogit/SalesDistribution/SalesOrder

valid-from: Wed Jul 10 00:00:00 UTC 2019

· creator: Marek Meyer

scope: NTO

parent: ogit/Node

attributes

- · optional:
 - ogit/SalesDistribution/amount
 - ogit/SalesDistribution/orderDate
 - ogit/SalesDistribution/salesOrderId
 - ogit/currency
 - ogit/description
 - ogit/name
 - ogit/status

incoming edges

- ogit/belongs <= ogit/SalesDistribution/Payment
- ogit/creates <= ogit/SalesDistribution/Customer
- ogit/creates <= ogit/Person

outgoing edges

- ogit/belongs => ogit/MARS/Application
- ogit/contains => ogit/SalesDistribution/SalesOrderItem

1.1.0.4 ogit/SalesDistribution/OpenItem

An open item in the sales and distribution process.

- id: http://www.purl.org/ogit/SalesDistribution/OpenItem
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer
- · scope: NTO
- parent: ogit/Node

attributes

- · optional:
 - ogit/SalesDistribution/amount
 - ogit/currency
 - ogit/name

incoming edges

- ogit/corresponds <= ogit/SalesDistribution/InvoiceItem
- ogit/has <= ogit/SalesDistribution/Customer

outgoing edges

• ogit/belongs => ogit/SalesDistribution/Payment

1.1.0.5 ogit/Person

A Person represents a human identity.

• id: http://www.purl.org/ogit/Person

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

• scope: SGO

· parent: ogit/Node

attributes

- · optional:
 - ogit/alternativeName
 - ogit/email
 - ogit/fax
 - ogit/firstName
 - ogit/lastName
 - ogit/middleName
 - ogit/mobilePhone
 - ogit/notification
 - ogit/officePhone
 - ogit/otherPhone
 - ogit/position
 - ogit/sourceld
 - ogit/status
 - ogit/title
 - ogit/webPage

outgoing edges

• ogit/creates => ogit/SalesDistribution/SalesOrder

1.1.0.6 ogit/SalesDistribution/InvoiceItem

An individual item on a sales order invoice.

• id: http://www.purl.org/ogit/SalesDistribution/InvoiceItem

• valid-from: Wed Jul 10 00:00:00 UTC 2019

· creator: Marek Meyer

· scope: NTO

· parent: ogit/Node

attributes

- · optional:
 - ogit/SalesDistribution/amount
 - ogit/currency
 - ogit/name

incoming edges

- ogit/contains <= ogit/SalesDistribution/Invoice
- ogit/corresponds <= ogit/SalesDistribution/DeliveryItem

outgoing edges

• ogit/corresponds => ogit/SalesDistribution/OpenItem

1.1.0.7 ogit/SalesDistribution/SalesOrderItem

An individual item on a sales order.

- id: http://www.purl.org/ogit/SalesDistribution/SalesOrderItem
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer
- · scope: NTO
- parent: ogit/Node

incoming edges

• ogit/contains <= ogit/SalesDistribution/SalesOrder

outgoing edges

• ogit/corresponds => ogit/SalesDistribution/DeliveryItem

1.1.0.8 ogit/SalesDistribution/DeliveryItem

An individual item contained in a delivery in the sales and distribution process.

- id: http://www.purl.org/ogit/SalesDistribution/DeliveryItem
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer
- · scope: NTO
- · parent: ogit/Node

incoming edges

- ogit/contains <= ogit/SalesDistribution/Delivery
- ogit/corresponds <= ogit/SalesDistribution/SalesOrderItem

outgoing edges

• ogit/corresponds => ogit/SalesDistribution/InvoiceItem

1.1.0.9 ogit/SalesDistribution/Delivery

A delivery in the sales and distribution process.

• id: http://www.purl.org/ogit/SalesDistribution/Delivery

· valid-from: Wed Jul 10 00:00:00 UTC 2019

· creator: Marek Meyer

· scope: NTO

· parent: ogit/Node

attributes

- · optional:
 - ogit/SalesDistribution/deliveryId

incoming edges

• ogit/receives <= ogit/SalesDistribution/Customer

outgoing edges

 $\bullet \ \ ogit/contains => ogit/SalesDistribution/DeliveryItem\\$

1.1.0.10 ogit/SalesDistribution/Invoice

An invoice for a sales order.

• id: http://www.purl.org/ogit/SalesDistribution/Invoice

valid-from: Wed Jul 10 00:00:00 UTC 2019

· creator: Marek Meyer

• scope: NTO

parent: ogit/Node

attributes

- · optional:
 - ogit/SalesDistribution/invoiceDate
 - ogit/SalesDistribution/invoiceId

incoming edges

• ogit/receives <= ogit/SalesDistribution/Customer

outgoing edges

• ogit/contains => ogit/SalesDistribution/InvoiceItem

1.1.0.11 ogit/SalesDistribution/Customer

A customer in the sales and distribution process.

- id: http://www.purl.org/ogit/SalesDistribution/Customer
- · valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer
- · scope: NTO
- · parent: ogit/Node

attributes

- · mandatory:
 - ogit/name
- optional:
 - ogit/SalesDistribution/customerId
 - ogit/description

outgoing edges

- ogit/belongs => ogit/MARS/Application
- ogit/creates => ogit/SalesDistribution/SalesOrder
- ogit/has => ogit/SalesDistribution/OpenItem
- ogit/provides => ogit/SalesDistribution/Payment
- ogit/receives => ogit/SalesDistribution/Delivery
- ogit/receives => ogit/SalesDistribution/Invoice

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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/SalesDistribution/Delivery => ogit/SalesDistribution/DeliveryItem

- ogit/SalesDistribution/Invoice => ogit/SalesDistribution/InvoiceItem
- ogit/SalesDistribution/SalesOrder => ogit/SalesDistribution/SalesOrderItem

1.2.0.2 ogit/creates

Indicates if one entity creates another one.

• id: http://www.purl.org/ogit/creates

valid-from: Tue May 19 00:00:00 UTC 2015

· creator: Peter Larem

Allowed Connection

- ogit/SalesDistribution/Customer => ogit/SalesDistribution/SalesOrder
- ogit/Person => ogit/SalesDistribution/SalesOrder

1.2.0.3 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/SalesDistribution/DeliveryItem => ogit/SalesDistribution/InvoiceItem
- ogit/SalesDistribution/InvoiceItem => ogit/SalesDistribution/OpenItem
- $\bullet \ \ ogit/SalesDistribution/SalesOrderItem => ogit/SalesDistribution/DeliveryItem$

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1.2.0.4 ogit/provides

Verb showing if one entity provides something to another.

• id: http://www.purl.org/ogit/provides

valid-from: Fri Jul 24 00:00:00 UTC 2015

· creator: Aymen Ayoub

Allowed Connection

ogit/SalesDistribution/Customer => ogit/SalesDistribution/Payment

1.2.0.5 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/SalesDistribution/Customer => ogit/MARS/Application
- ogit/SalesDistribution/OpenItem => ogit/SalesDistribution/Payment
- ogit/SalesDistribution/Payment => ogit/SalesDistribution/SalesOrder
- ogit/SalesDistribution/SalesOrder => ogit/MARS/Application

1.2.0.6 ogit/receives

an entity receives something another entity

```
• id: http://www.purl.org/ogit/receives
```

valid-from: Fri Feb 17 00:00:00 UTC 2017

• creator: stravlos@arago.de

Allowed Connection

- ogit/SalesDistribution/Customer => ogit/SalesDistribution/Delivery
- ogit/SalesDistribution/Customer => ogit/SalesDistribution/Invoice

1.2.0.7 ogit/has

Indicates if an entity has another entity.

```
id: http://www.purl.org/ogit/has
```

· valid-from: Thu Mar 28 00:00:00 UTC 2019

· creator: Kaushik Gondaliya

Allowed Connection

• ogit/SalesDistribution/Customer => ogit/SalesDistribution/OpenItem

1.3 Attributes

1.3.0.1 ogit/currency

A currency code, possibly according to ISO 4217.

```
• id: http://www.purl.org/ogit/currency
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · optional:
 - ogit/SalesDistribution/InvoiceItem
 - ogit/SalesDistribution/OpenItem
 - ogit/SalesDistribution/Payment
 - ogit/SalesDistribution/SalesOrder

1.3.0.2 ogit/email

An email address.

```
• id: http://www.purl.org/ogit/email
```

• valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · optional:
 - ogit/Person

1.3.0.3 ogit/alternativeName

Alternative name of something. In context of a Person this can be the full name or an alias/nick name.

```
• id: http://www.purl.org/ogit/alternativeName
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

- · optional:
 - ogit/Person

1.3.0.4 ogit/SalesDistribution/invoiceDate

Date of an invoice.

• id: http://www.purl.org/ogit/SalesDistribution/invoiceDate

valid-from: Wed Jul 10 00:00:00 UTC 2019

· creator: Marek Meyer

used

- · optional:
 - ogit/SalesDistribution/Invoice

1.3.0.5 ogit/SalesDistribution/orderDate

Date of a sales order.

- id: http://www.purl.org/ogit/SalesDistribution/orderDate
- · valid-from: Fri Aug 02 00:00:00 UTC 2019
- · creator: Marek Meyer

used

- · optional:
 - ogit/SalesDistribution/SalesOrder

1.3.0.6 ogit/SalesDistribution/amount

The amount of an item, set of items, or payment.

- id: http://www.purl.org/ogit/SalesDistribution/amount
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer

- · optional:
 - ogit/SalesDistribution/InvoiceItem
 - ogit/SalesDistribution/OpenItem
 - ogit/SalesDistribution/Payment
 - ogit/SalesDistribution/SalesOrder

1.3.0.7 ogit/notification

A notification.

```
• id: http://www.purl.org/ogit/notification
```

• valid-from: Mon Jul 27 00:00:00 UTC 2015

• creator: Philipp Pelchmann

used

- · optional:
 - ogit/Person

1.3.0.8 ogit/SalesDistribution/transactionId

Identifier of a payment transaction.

- id: http://www.purl.org/ogit/SalesDistribution/transactionId
- valid-from: Mon Sep 28 00:00:00 UTC 2020
- · creator: Marek Meyer

used

- · optional:
 - ogit/SalesDistribution/Payment

1.3.0.9 ogit/sourceld

The Id of the source system.

- id: http://www.purl.org/ogit/sourceId
- valid-from: Thu Jun 11 00:00:00 UTC 2015
- · creator: Peter Larem

- · optional:
 - ogit/Person

1.3.0.10 ogit/mobilePhone

A mobile phone number.

```
• id: http://www.purl.org/ogit/mobilePhone
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · optional:
 - ogit/Person

1.3.0.11 ogit/SalesDistribution/invoiceld

Identifier of an invoice.

- id: http://www.purl.org/ogit/SalesDistribution/invoiceId
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer

used

- · optional:
 - ogit/SalesDistribution/Invoice

1.3.0.12 ogit/Automation/automationState

A value of 'Manual' will mark a node as not eligible for Issue processing

- id: http://www.purl.org/ogit/Automation/automationState
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: fotto@arago.de

- · optional:
 - ogit/MARS/Application

1.3.0.13 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/Person
 - ogit/SalesDistribution/Payment
 - ogit/SalesDistribution/SalesOrder

1.3.0.14 ogit/Automation/lifecycle

Contains the lifecycle state of a MARSNode. If value is 'decommissioned' this node is ignored by engine, graph and UI.

```
• id: http://www.purl.org/ogit/Automation/lifecycle
```

valid-from: Thu May 11 00:00:00 UTC 2017

· creator: Philipp Kählitz

used

- optional:
 - ogit/MARS/Application

1.3.0.15 ogit/lastName

Last name of a person.

```
• id: http://www.purl.org/ogit/lastName
```

valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

- · optional:
 - ogit/Person

1.3.0.16 ogit/middleName

Middle name of a person.

```
• id: http://www.purl.org/ogit/middleName
```

• valid-from: Mon Jul 27 00:00:00 UTC 2015

· creator: Philipp Pelchmann

used

- · optional:
 - ogit/Person

1.3.0.17 ogit/SalesDistribution/salesOrderId

Identifier for a sales order.

- id: http://www.purl.org/ogit/SalesDistribution/salesOrderId
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer

used

- · optional:
 - ogit/SalesDistribution/SalesOrder

1.3.0.18 ogit/MARS/Application/subClass

Allows to further classify applications. This can be used to match Knowledgeltems specific to a certain business domain. Replaces 'ApplicationSubClass' from MARS-Schema

```
• id: http://www.purl.org/ogit/MARS/Application/subClass
```

• valid-from: Fri Jun 01 00:00:00 UTC 2018

• creator: fotto@arago.de

- · mandatory:
 - ogit/MARS/Application

1.3.0.19 ogit/firstName

First name of a person

```
• id: http://www.purl.org/ogit/firstName
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · optional:
 - ogit/Person

1.3.0.20 ogit/title

Title of any kind. In the context of a Person this can be a courtesy title, an academic title, or a job tilte.

```
• id: http://www.purl.org/ogit/title
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · optional:
 - ogit/Person

1.3.0.21 ogit/SalesDistribution/customerId

Customer identifier.

- id: http://www.purl.org/ogit/SalesDistribution/customerId
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer

- · optional:
 - ogit/SalesDistribution/Customer

1.3.0.22 ogit/SalesDistribution/deliveryId

Identifier of a delivery.

• id: http://www.purl.org/ogit/SalesDistribution/deliveryId

valid-from: Wed Jul 10 00:00:00 UTC 2019

· creator: Marek Meyer

used

- · optional:
 - ogit/SalesDistribution/Delivery

1.3.0.23 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/MARS/Application
 - ogit/SalesDistribution/Customer
- · optional:
 - ogit/SalesDistribution/InvoiceItem
 - ogit/SalesDistribution/OpenItem
 - ogit/SalesDistribution/Payment
 - ogit/SalesDistribution/SalesOrder

1.3.0.24 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

- · optional:
 - ogit/SalesDistribution/Customer
 - ogit/SalesDistribution/Payment
 - ogit/SalesDistribution/SalesOrder

1.3.0.25 ogit/SalesDistribution/transactionDate

Date of a transaction.

• id: http://www.purl.org/ogit/SalesDistribution/transactionDate

• valid-from: Wed Jul 10 00:00:00 UTC 2019

· creator: Marek Meyer

used

- · optional:
 - ogit/SalesDistribution/Payment

1.3.0.26 ogit/SalesDistribution/valueDate

Effective value date of a transaction.

- id: http://www.purl.org/ogit/SalesDistribution/valueDate
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- · creator: Marek Meyer

used

- · optional:
 - ogit/SalesDistribution/Payment

1.3.0.27 ogit/officePhone

The phone number in the office.

- id: http://www.purl.org/ogit/officePhone
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- · creator: Philipp Pelchmann

- · optional:
 - ogit/Person

1.3.0.28 ogit/fax

The number of a fax.

```
• id: http://www.purl.org/ogit/fax
```

• valid-from: Mon Jul 27 00:00:00 UTC 2015

· creator: Philipp Pelchmann

used

- · optional:
 - ogit/Person

1.3.0.29 ogit/otherPhone

The number of an other phone.

```
• id: http://www.purl.org/ogit/otherPhone
```

valid-from: Mon Jul 27 00:00:00 UTC 2015

· creator: Philipp Pelchmann

used

- · optional:
 - ogit/Person

1.3.0.30 ogit/MARS/Application/class

Used to classifiy Application nodes. Replaces 'ResourceClass' from MARS-Schema

```
• id: http://www.purl.org/ogit/MARS/Application/class
```

valid-from: Fri Jun 01 00:00:00 UTC 2018

• creator: fotto@arago.de

- · mandatory:
 - ogit/MARS/Application

1.3.0.31 ogit/webPage

A web page.

• id: http://www.purl.org/ogit/webPage

• valid-from: Mon Jul 27 00:00:00 UTC 2015

· creator: Philipp Pelchmann

used

· optional:

- ogit/Person

1.3.0.32 ogit/Automation/marsNodeType

Obsolete attribute. Not used for HIRO >=6. Contains The Type of the Mars Node. Should be one of Application, Machine, Software, Resource.

```
• id: http://www.purl.org/ogit/Automation/marsNodeType
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · optional:
 - ogit/MARS/Application

1.3.0.33 ogit/Automation/serviceStatus

Contains the status of a service.

- id: http://www.purl.org/ogit/Automation/serviceStatus
- valid-from: Fri Jul 24 00:00:00 UTC 2015
- · creator: Aymen Ayoub

used

- · optional:
 - ogit/MARS/Application

1.3.0.34 ogit/position

Indicates user's position. This field contains a string value.

- id: http://www.purl.org/ogit/position
- · valid-from: Tue Oct 18 00:00:00 UTC 2016
- · creator: Arthur Shoba

- · optional:
 - ogit/Person