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## SalesDistribution

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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

- mandatory:
  - [ogit/name](#)
- optional:
  - [ogit/SalesDistribution/amount](#)
  - [ogit/SalesDistribution/transactionDate](#)
  - [ogit/SalesDistribution/valueDate](#)
  - [ogit/currency](#)
  - [ogit/description](#)

#### incoming edges

- [ogit/belongs](#) <= [ogit/SalesDistribution/OpenItem](#)
- [ogit/provides](#) <= [ogit/SalesDistribution/Customer](#)

### 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: FCO
- scope: 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](#)

### 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**

- mandatory:
  - [ogit/name](#)
- optional:
  - [ogit/SalesDistribution/amount](#)
  - [ogit/SalesDistribution/salesOrderId](#)
  - [ogit/currency](#)
  - [ogit/status](#)

**incoming edges**

- [ogit/creates](#) <= [ogit/SalesDistribution/Customer](#)

**outgoing edges**

- [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**

- mandatory:
  - [ogit/name](#)
- optional:
  - [ogit/SalesDistribution/amount](#)
  - [ogit/currency](#)

**incoming edges**

- [ogit/corresponds](#) <= [ogit/SalesDistribution/InvoiceItem](#)
- [ogit/has](#) <= [ogit/SalesDistribution/Customer](#)

## outgoing edges

- [ogit/belongs](#) => [ogit/SalesDistribution/Payment](#)

1.1.0.5 [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

- mandatory:
  - [ogit/name](#)
- optional:
  - [ogit/SalesDistribution/amount](#)
  - [ogit/currency](#)

## incoming edges

- [ogit/contains](#) <= [ogit/SalesDistribution/Invoice](#)
- [ogit/corresponds](#) <= [ogit/SalesDistribution/DeliveryItem](#)

## outgoing edges

- [ogit/corresponds](#) => [ogit/SalesDistribution/OpenItem](#)

1.1.0.6 [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](#)

1.1.0.7 [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](#)

1.1.0.8 [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

- [ogit/contains](#) => [ogit/SalesDistribution/DeliveryItem](#)

1.1.0.9 [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](#)

1.1.0.10 [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](#)

## 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](#)

### 1.2.0.3 ogit/corresponds

Indicates whether one entity could correspond 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](#)
- [ogit/SalesDistribution/SalesOrderItem](#) => [ogit/SalesDistribution/DeliveryItem](#)

#### 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](#)

#### 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](mailto: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/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](#)

### 1.3.0.3 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

used

- optional:
  - [ogit/SalesDistribution/InvoiceItem](#)
  - [ogit/SalesDistribution/OpenItem](#)
  - [ogit/SalesDistribution/Payment](#)
  - [ogit/SalesDistribution/SalesOrder](#)

#### 1.3.0.4 ogit/SalesDistribution/invoiceId

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](#)

#### 1.3.0.5 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](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Application](#)

#### 1.3.0.6 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 useful 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/SalesDistribution/SalesOrder](#)

#### 1.3.0.7 `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](#)

#### 1.3.0.8 `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](#)

#### 1.3.0.9 `ogit/MARS/Application/subClass`

Allows to further classify applications. This can be used to match KnowledgeItems 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](mailto:fotto@arago.de)

used

- mandatory:
  - [ogit/MARS/Application](#)

#### 1.3.0.10 `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

used

- optional:
  - [ogit/SalesDistribution/Customer](#)

#### 1.3.0.11 `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](#)

#### 1.3.0.12 `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](#)
  - [ogit/SalesDistribution/InvoiceItem](#)
  - [ogit/SalesDistribution/OpenItem](#)
  - [ogit/SalesDistribution/Payment](#)
  - [ogit/SalesDistribution/SalesOrder](#)

**1.3.0.13 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/SalesDistribution/Customer](#)
  - [ogit/SalesDistribution/Payment](#)

**1.3.0.14 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](#)

**1.3.0.15 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](#)



**1.3.0.16** `ogit/MARS/Application/class`

Used to classify 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](mailto:fotto@arago.de)

used

- mandatory:
  - [ogit/MARS/Application](#)

**1.3.0.17** `ogit/Automation/marsNodeType`

Obsolete attribute. Not used for HIRO  $\geq 6$ . 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](#)

**1.3.0.18** `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](#)