OSLC-ems

December 15, 2020

Chapter 1

OSLC-ems

OSLC is a collection of specifications for software integration. This module contains entities for estimation management.

Chapter 2

Module Documentation

2.1 Entities

2.1.0.1 ogit/OSLC-ems/MeasureDistributionCell

A *measure distribution cell* is a cell in a fact distribution row. It refers to its column (see `ems:inColumn`) and contains a measure distribution (see `ems:distribution`).

- id: `http://www.purl.org/ogit/OSLC-ems/MeasureDistributionCell`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.2 ogit/OSLC-ems/Map

Some key dimensions may define standard dimension member URIs which are used for data interchange. However, users may wish to use custom values. This class lets you define how custom values are mapped to standard URIs. You can include an map resource in the description of a dimension column of a fact table (see `ems:useMap`).

We make the simplifying assumption that this mapping is many-to-one, that is, one or more custom dimension values may be mapped to the same standard dimension value. A map may contain one or more of these mappings (see `ems:mapping`), but each custom dimension value must map to exactly one standard dimension value.

- id: `http://www.purl.org/ogit/OSLC-ems/Map`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

outgoing edges

- ogit/OSLC-ems/mapping => ogit/OSLC-ems/Mapping

2.1.0.3 ogit/OSLC-ems/FinancialMetric

A *financial metric* is a metric that measures the cost of an artifact or work effort. For example, *total cost* (`metric:Cost`) and *labor cost* (`metric:LaborCost`) are financial metrics.

- id: `http://www.purl.org/ogit/OSLC-ems/FinancialMetric`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.4 ogit/OSLC-ems/PoissonDistribution

A *Poisson distribution* is a probability distribution that gives the probability that a given number of events will occur in a fixed time period. This distribution is completely specified by a single parameter often denoted by the Greek letter *lambda*. Lambda is given by `ems:lambda. id: http://www.purl.org/ogit/OSLC-ems/PoissonDistribution valid-from: Thu Sep 22 00:00:00 UTC 2016 creator: OGIT Importer scope: NTO parent: httpwwwpurlorgogitNode "ogit/Node"`

2.1.0.5 ogit/OSLC-ems/SizeMetric

A *size metric* is a metric that measures the magnitude, volume, bulk, or capability of some artifact such as software. For example, *lines of code* (`metric:Sloc`) and *story points* (`metric:StoryPoints`) are size metrics.

- id: `http://www.purl.org/ogit/OSLC-ems/SizeMetric`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.6 ogit/OSLC-ems/UnitOfMeasure

A *unit of measure* specifies a procedure for associating a numeric value with some metric. For example, *month* (`unit:Month`) is a unit of measure for *duration* (`metric:Duration`).

- id: `http://www.purl.org/ogit/OSLC-ems/UnitOfMeasure`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/unitOfMeasure <= ogit/OSLC-ems/Measure

2.1.0.7 ogit/OSLC-ems/Mapping

This class describes a *mapping*. A mapping maps some custom string label value for a dimension (see `ems:from`) to a dimension member URI which may be a standard value defined in some vocabulary. (see `ems:to`).

- id: `http://www.purl.org/ogit/OSLC-ems/Mapping`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/mapping <= ogit/OSLC-ems/Map

outgoing edges

- ogit/OSLC-ems/to => ogit/OSLC-ems/DimensionMember

2.1.0.8 ogit/OSLC-ems/Baseline

A baseline is a set of estimates, based on some scenario, that are used to track the performance of a project.

- id: `http://www.purl.org/ogit/OSLC-ems/Baseline`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/currentBaseline <= ogit/OSLC-ems/Project
- ogit/OSLC-ems/memberBaseline <= ogit/OSLC-ems/BaselineList

2.1.0.9 ogit/OSLC-ems/Scenario

A scenario is a set of assumptions about how a project will be executed. These assumptions are used as inputs to estimates.

- id: http://www.purl.org/ogit/OSLC-ems/Scenario
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/extendsScenario <= ogit/OSLC-ems/Scenario
- ogit/OSLC-ems/memberScenario <= ogit/OSLC-ems/ScenarioList

outgoing edges

- ogit/OSLC-ems/assumes => ogit/OSLC-ems/MeasureDistribution
- ogit/OSLC-ems/assumesTable => ogit/OSLC-ems/FactDistributionTable
- ogit/OSLC-ems/assumesWbs => ogit/OSLC-ems/WorkBreakdownStructure
- ogit/OSLC-ems/extendsScenario => ogit/OSLC-ems/Scenario

2.1.0.10 ogit/OSLC-ems/WbsFormat

A *WBS format* is a format that specifies the syntax of work breakdown structures. For example, http://schemas.microsoft.com/project/2007 is the format for Microsoft Office Project 2007 XML Data Interchange Schema.

- id: http://www.purl.org/ogit/OSLC-ems/WbsFormat
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/wbsFormat <= ogit/OSLC-ems/WorkBreakdownStructure

2.1.0.11 ogit/OSLC-ems/DimensionColumn

This class describes a dimension column in a fact table. A dimension column has a dimension (see ems:dimension) and grain (see ems:grain and may refer to a map (see ems:useMap.

- id: http://www.purl.org/ogit/OSLC-ems/DimensionColumn
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.12 ogit/OSLC-ems/FactTable

This class is used to represent *fact tables*.

Consider the work performed on a project. Work may be analyzed according to attributes such as who performed the work, the task or activity that the work accomplished, when the work was performed, etc. These attributes are referred to as *dimensions*.

Work may be quantified by such metrics as its effort in person-hours, its cost in some currency, its duration in months, its peak staffing, etc. These quantities are referred to as *measures*.

The term dimension is used because the measures can be regarded as occupying cells in a multi-dimensional array (sometimes referred to as a *datacube*). It is frequently of interest to summarize the measures along a dimension, for example given the effort by activity, calculate the total effort for all activities. Conversely, given the total effort, it may be of interest to see how it is broken down by activity.

In general, set of related measures, analyzed along a set of dimensions may be organized into a fact table. Each row of a fact table contains a set of measures (e.g. effort and cost) for a given combination of dimension values (e.g. activity and month).

This resource MAY contain the actual measurements, provide a link to the source of the actual measurements, or contain both a link to the source and a copy of the actual measurements obtained from the source (i.e. a cached copy of the source).

- id: http://www.purl.org/ogit/OSLC-ems/FactTable
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.13 ogit/OSLC-ems/TimeMetric

A *time metric* is a metric that describes some temporal aspect of a project, system, or thing. For example, *duration* (metric:Duration), *start* (metric:Start), and *finish* (metric:Finish) are time metrics.

- id: http://www.purl.org/ogit/OSLC-ems/TimeMetric
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.14 ogit/OSLC-ems/DimensionMember

A *dimension member* is some subset of a dimension. For example, work on a project is performed by people in various roles. It is often of interest to break down an effort estimate or measurement by role. Members of the dimension *role* (`dimension:Role`) include *manager* (`dimension-member:Manager` and *programmer* (`dimension-member:Programmer`).

- id: `http://www.purl.org/ogit/OSLC-ems/DimensionMember`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/to <= ogit/OSLC-ems/Mapping

2.1.0.15 ogit/OSLC-ems/FactDistributionTable

A *fact distribution table* is a fact table that contains probability distributions instead of precise numeric values for its measures. Fact distribution tables are used in scenario assumptions (see `ems:assumesTable`) and estimate predictions (see `ems:predictsTable`).

A fact distribution table is similar to a fact table (see `ems:FactTable`), except that it has *fact distribution* rows (see `ems:FactDistribution`) instead of fact rows (see `ems:Fact`), and they have *measure distribution* cells (see `ems:MeasureDistributionCell`) instead of measure cells (see `ems:MeasureCell`).

- id: `http://www.purl.org/ogit/OSLC-ems/FactDistributionTable`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/assumesTable <= ogit/OSLC-ems/Scenario
- ogit/OSLC-ems/predictsTable <= ogit/OSLC-ems/Estimate

2.1.0.16 ogit/OSLC-ems/ProbabilityDistribution

This class describes *probability distributions*. A probability distribution gives the likelihood that a measurement of some value (a random variable) will fall within some given range. Probability distributions are used in scenario assumptions (see ems:assumes) and estimate predictions (see ems:predicts).

- id: http://www.purl.org/ogit/OSLC-ems/ProbabilityDistribution
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.17 ogit/OSLC-ems/Format

A *format* is a specification of the syntax of an artifact.

- id: http://www.purl.org/ogit/OSLC-ems/Format
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.18 ogit/OSLC-ems/Quantile

This class describes a *quantile* of a quantile function. The cumulative probability of a quantile is given by ems:probability. The cumulative probability MUST be greater than 0 and less than 1. The upper limit of the range of measurement values is given by ems:numericValue. The lower limit of the range of measurement values is given by the upper limit of the preceding quantiles.

The probability that a measurement gives a value less than or equal to the numeric value is equal to the cumulative probability.

- id: http://www.purl.org/ogit/OSLC-ems/Quantile
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/quantile <= ogit/OSLC-ems/QuantileFunction

2.1.0.19 ogit/OSLC-ems/DimensionCell

This class describes a dimension cell in a row of a fact table. A dimension cell refers to its column (see ems:inColumn and has a dimension member (see ems:dimensionMember).

- id: http://www.purl.org/ogit/OSLC-ems/DimensionCell
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.20 ogit/OSLC-ems/Project

Within the scope of EMS, a project is any activity, system, or thing that can be the subject of a set of measurements. In practice, a project is often a time-bounded work effort that produces a unique result.

- id: http://www.purl.org/ogit/OSLC-ems/Project
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/memberProject <= ogit/OSLC-ems/ProjectList

outgoing edges

- ogit/OSLC-ems/currentBaseline => ogit/OSLC-ems/Baseline

2.1.0.21 ogit/OSLC-ems/QuantileFunction

A *quantile function* is a probability distribution that breaks up a range of values into quantiles that each have the same probability. When the number of quantiles is 4, 10, or 100, we refer to them as *quartiles*, *deciles*, and *percentiles*. For example, there is a 25% probability that a measurement will fall within any given quartile. The number of quantiles is given by ems:numberOfQuantiles. The number of quantiles MUST be greater than one.

The range of possible measurement values may be unbounded. If a lower bound exists, it is given by ems:low. If an upper bound exists, it is given by ems:high.

The graph of the quantile function is given by a set of measurement values that correspond to the equally spaced cumulative probabilities between 0 and 1. For example, for quartiles the cumulative probabilities are 25%, 50%, and 75%. The cumulative probability values are given by one or more ems:quantile properties.

- id: http://www.purl.org/ogit/OSLC-ems/QuantileFunction
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

outgoing edges

- ogit/OSLC-ems/quantile => ogit/OSLC-ems/Quantile

2.1.0.22 ogit/OSLC-ems/NormalDistribution

A *normal distribution* (also known as a *Gaussian distribution* is a probability distribution that naturally arises as the limit of many random factors. It is symmetric about its mean and has a certain scale. The mean is given by `ems:mu`. Its scale (also known as its standard deviation) is given by `ems:scale`.

- id: `http://www.purl.org/ogit/OSLC-ems/NormalDistribution`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.23 ogit/OSLC-ems/FactDistribution

A *fact distribution* is a row of a fact distribution table (see `ems:FactDistributionTable`). It contains one or more dimension cells (see `ems:dimensionCell`) and one or more measure distribution cells (see `ems:measureDistributionCell`).

- id: `http://www.purl.org/ogit/OSLC-ems/FactDistribution`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.24 ogit/OSLC-ems/TriangularDistribution

A *triangular distribution* is a probability distribution that concentrated between *high* and *low* values, and that linearly rises to and falls from to an intermediate *most likely* value. The low value is given by `ems:low`. The most likely value is given by `ems:mostLikely`. The high value is given by `ems:high`.

- id: `http://www.purl.org/ogit/OSLC-ems/TriangularDistribution`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.25 ogit/OSLC-ems/Grain

Dimensions may be aggregated into subsets of various sizes. A *grain* is a unit of aggregation of a dimension. For example, *month* (`grain:CalendarMonth`) and *week* (`grain:CalendarWeek`) are grain sizes for the dimension *time* (`dimension:Time`).

- id: `http://www.purl.org/ogit/OSLC-ems/Grain`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.26 ogit/OSLC-ems/ProcessMetric

A *process metric* is a metric that measures the process used to create an artifact such as software. For example, *build* (`metric:Builds`) and *test executions* (`metric:TestExecutions`) are process metrics.

- id: `http://www.purl.org/ogit/OSLC-ems/ProcessMetric`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.27 ogit/OSLC-ems/CdfPoint

This class describes a point on the graph of a cumulative probability function. The cumulative probability at a point is given by `ems:probability`. The cumulative probability MUST be greater than 0 and less than 1. The measurement value is given by `ems:numericValue`.

The probability that a measurement gives a value less than or equal to the numeric value is equal to the cumulative probability.

- id: `http://www.purl.org/ogit/OSLC-ems/CdfPoint`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/cdfPoint <= ogit/OSLC-ems/CumulativeDistributionFunction

2.1.0.28 ogit/OSLC-ems/Measure

A *measure*, as in the idiom *take the measure of*, is the result of observing some numerically quantifiable aspect of a project, system, or thing. For example, a *duration of 12 months* or a *size of 10 KLOC* are measures. The aspect being measured, e.g. duration or size, is referred to as the *metric* and is given by the property ems:metric. The scale of measurement, e.g. months or KLOC, is referred to as the *unit of measure* and is given by the property ems:unitOfMeasure. The numeric value of an observation, e.g. 12 or 10, is given by the property ems:numericValue.

- id: http://www.purl.org/ogit/OSLC-ems/Measure
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

outgoing edges

- ogit/OSLC-ems/unitOfMeasure => ogit/OSLC-ems/UnitOfMeasure

2.1.0.29 ogit/OSLC-ems/Service

An EMS *service* hosts and manages a set of resources that describe projects, scenarios, estimates, measurements, and baselines. Each instance of an service has a set of resource containers that contain resources of a given type.

- id: http://www.purl.org/ogit/OSLC-ems/Service
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

outgoing edges

- ogit/OSLC-ems/baselineList => ogit/OSLC-ems/BaselineList
- ogit/OSLC-ems/estimateList => ogit/OSLC-ems/EstimateList
- ogit/OSLC-ems/measurementList => ogit/OSLC-ems/MeasurementList
- ogit/OSLC-ems/projectList => ogit/OSLC-ems/ProjectList
- ogit/OSLC-ems/scenarioList => ogit/OSLC-ems/ScenarioList

2.1.0.30 ogit/OSLC-ems/BaselineList

A baseline list is a container for baseline resources.

- id: http://www.purl.org/ogit/OSLC-ems/BaselineList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/baselineList <= ogit/OSLC-ems/Service

outgoing edges

- ogit/OSLC-ems/memberBaseline => ogit/OSLC-ems/Baseline

2.1.0.31 ogit/OSLC-ems/Dimension

A *dimension* is some aspect of an aggregated quantity which lets the aggregate be analyzed. For example, the total effort expended in a project can be analyzed by week or month. Therefore time (dimension:Time) is a dimension of effort (metric:Effort).

- id: http://www.purl.org/ogit/OSLC-ems/Dimension
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.32 ogit/OSLC-ems/ProductivityMetric

A *productivity metric* is a metric that measures the rate at which some artifact, such as software, is produced. For example, *lines of code per unit time* (metric:EslocPerTime) and *team velocity* (metric:TeamVelocity) are productivity metrics.

- id: http://www.purl.org/ogit/OSLC-ems/ProductivityMetric
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.33 ogit/OSLC-ems/WorkBreakdownStructure

This class describes *work breakdown structures*. A `work breakdown structure` (WBS) is a common way to represent the work to be performed in a project. In EMS, a WBS may be used as an assumption in an scenario, as a prediction in an estimate, or as an observation in a measurement.

A WBS has a format (see `ems:wbsFormat`), and may either include (see `ems:wbsContent`) or link to (see `ems:wbsSource`) its content. The included or linked WBS content MUST be in the specified format.

- id: `http://www.purl.org/ogit/OSLC-ems/WorkBreakdownStructure`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/assumesWbs <= ogit/OSLC-ems/Scenario
- ogit/OSLC-ems/predictsWbs <= ogit/OSLC-ems/Estimate

outgoing edges

- ogit/OSLC-ems/wbsFormat => ogit/OSLC-ems/WbsFormat

2.1.0.34 ogit/OSLC-ems/Fact

This class describes a row of a fact table (see `ems:FactTable`). Each fact row has a set of dimension cells (see `ems:DimensionCell`) and measure cells (see `ems:MeasureCell`). These MUST match the description of the columns given in the head of the fact table (see `ems:Head`).

- id: `http://www.purl.org/ogit/OSLC-ems/Fact`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.35 ogit/OSLC-ems/Measurement

A measurement is a set of observations of numerically quantifiable aspects of a project, system, or thing.

- id: `http://www.purl.org/ogit/OSLC-ems/Measurement`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/memberMeasurement <= ogit/OSLC-ems/MeasurementList

2.1.0.36 ogit/OSLC-ems/MeasurementList

A measurement list is a container for measurement resources.

- id: http://www.purl.org/ogit/OSLC-ems/MeasurementList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/measurementList <= ogit/OSLC-ems/Service

outgoing edges

- ogit/OSLC-ems/memberMeasurement => ogit/OSLC-ems/Measurement

2.1.0.37 ogit/OSLC-ems/ScenarioList

A scenario list is a container for scenario resources.

- id: http://www.purl.org/ogit/OSLC-ems/ScenarioList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/scenarioList <= ogit/OSLC-ems/Service

outgoing edges

- ogit/OSLC-ems/memberScenario => ogit/OSLC-ems/Scenario

2.1.0.38 ogit/OSLC-ems/Head

This class defined the columns of a fact table. A fact table MUST have one or more dimension columns, e.g. date or role, and one or more measure columns, e.g. cost or effort. The dimension columns contain dimension values. Dimension columns SHOULD contain standard dimension values when they exist, e.g. for roles. The creator of the fact table MAY use custom dimension dimension values and record how these custom values are mapped to the standard values.

- id: http://www.purl.org/ogit/OSLC-ems/Head
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.39 ogit/OSLC-ems/EffortMetric

An *effort metric* is a metric that measures the effort of effort required to perform some task. For example, *effort* as measured in person-months, person-years, etc. (metric:Effort), *average staffing* (metric:Staffing), *peak staffing* (metric:PeakStaffing), and *full-time equivalents* (metric:FullTimeEquivalent) are effort metrics.

- id: http://www.purl.org/ogit/OSLC-ems/EffortMetric
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.40 ogit/OSLC-ems/ReliabilityMetric

A *reliability metric* is a metric that measures the correctness or absence of failures in a system such as a software system. For example *defects* (metric:Defects), *failures* (metric:Failures), and *mean time to failure* (metric:MeanTimeToFailure) are reliability metrics.

- id: http://www.purl.org/ogit/OSLC-ems/ReliabilityMetric
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.41 ogit/OSLC-ems/MeasureColumn

This class describes a measure column of a fact table. A measure column has a metric (see ems:metric and a unit of measure (see ems:unitOfMeasure.

- id: http://www.purl.org/ogit/OSLC-ems/MeasureColumn
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.42 ogit/OSLC-ems/CumulativeDistributionFunction

A *cumulative distribution function* (cdf) is a probabilty distribution defined by giving the cumulative probability at an increasing sequence of measurement values. The range of possible measurement values may be unbounded. If a lower bound exists, it is given by ems:low. If an upper bound exists, it is given by ems:high.

The graph of the cumulative distribution function is given by a set of measurement values at an increasing sequence of cumulative probabilities between 0 and 1. The cumulative probability values are given by one or more ems:cdfPoint properties.

- id: http://www.purl.org/ogit/OSLC-ems/CumulativeDistributionFunction
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

outgoing edges

- ogit/OSLC-ems/cdfPoint => ogit/OSLC-ems/CdfPoint

2.1.0.43 ogit/OSLC-ems/MeasureDistribution

A *measure distribution* is like a measure (see ems:Measure) except that it gives a probability distribution for the numeric value of a measure instead of a precise numeric value. Measure distributions are used in scenario assumptions (see ems:assumes and ems:assumesTable) and estimate predications (see ems:predicts and ems:predictsTable).

- id: http://www.purl.org/ogit/OSLC-ems/MeasureDistribution
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/assumes <= ogit/OSLC-ems/Scenario
- ogit/OSLC-ems/predicts <= ogit/OSLC-ems/Estimate

2.1.0.44 ogit/OSLC-ems/Metric

A *metric* is a procedure or algorithm for quantifying or measuring some aspect of a thing, system, event, etc. For example *duration* is a metric that measures the amount of time an activity takes.

- id: http://www.purl.org/ogit/OSLC-ems/Metric
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.45 ogit/OSLC-ems/PointEstimate

A *point estimate* is a probability distribution that is concentrated at a single value. The single value is given by ems:numericValue.

- id: http://www.purl.org/ogit/OSLC-ems/PointEstimate
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.46 ogit/OSLC-ems/MeasureCell

This class descibes measure cells. A measure cell refers to a measure column (see ems:inColumn) and has a numeric value (see ems:numericValue.

- id: http://www.purl.org/ogit/OSLC-ems/MeasureCell
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.1.0.47 ogit/OSLC-ems/ProjectList

A project list is a container for projects.

- id: http://www.purl.org/ogit/OSLC-ems/ProjectList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/projectList <= ogit/OSLC-ems/Service

outgoing edges

- ogit/OSLC-ems/memberProject => ogit/OSLC-ems/Project

2.1.0.48 ogit/OSLC-ems/Estimate

An estimate is a probabilistic prediction, based on a scenario, for a set of measurements.

- id: http://www.purl.org/ogit/OSLC-ems/Estimate
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

outgoing edges

- ogit/OSLC-ems/predicts => ogit/OSLC-ems/MeasureDistribution
- ogit/OSLC-ems/predictsTable => ogit/OSLC-ems/FactDistributionTable
- ogit/OSLC-ems/predictsWbs => ogit/OSLC-ems/WorkBreakdownStructure

2.1.0.49 ogit/OSLC-ems/EstimateList

An estimate list is a container for estimate resources.

- id: http://www.purl.org/ogit/OSLC-ems/EstimateList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

incoming edges

- ogit/OSLC-ems/estimateList <= ogit/OSLC-ems/Service

2.1.0.50 ogit/OSLC-ems/UniformDistribution

A *uniform distribution* is a probability distribution that is evenly spread between a *high* and a *low* value. The high value is given by `ems:high`. The low value is given by `ems:low`.

- id: `http://www.purl.org/ogit/OSLC-ems/UniformDistribution`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: ogit/Node

2.2 Verbs

2.2.0.1 ogit/OSLC-ems/observesWbs

This property links a measurement to the observed work breakdown structure.

- id: http://www.purl.org/ogit/OSLC-ems/observesWbs
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.2 ogit/OSLC-ems/predicts

This property links an estimate to the predicted value for some measure, e.g. duration, size. The predicted value is a probability distribution.

- id: http://www.purl.org/ogit/OSLC-ems/predicts
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Estimate => ogit/OSLC-ems/MeasureDistribution

2.2.0.3 ogit/OSLC-ems/measureDistributionCell

This property links a fact distribution row to a measure distribution cell.

- id: http://www.purl.org/ogit/OSLC-ems/measureDistributionCell
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.4 ogit/OSLC-ems/map

This property links a fact table head to an ems:Map resource that defines how custom dimension values are mapped to standard values. The scope of this mapping is local to the fact table.

- id: http://www.purl.org/ogit/OSLC-ems/map
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.5 ogit/OSLC-ems/project

The property links a resource to a project.

- id: http://www.purl.org/ogit/OSLC-ems/project
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.6 ogit/OSLC-ems/seeAlsoProject

This property links a project to a corresponding resource in a project management application.

- id: http://www.purl.org/ogit/OSLC-ems/seeAlsoProject
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.7 ogit/OSLC-ems/to

This property links a mapping to its dimension member URI. Many mappings MAY map to the same dimension member URI.

- id: http://www.purl.org/ogit/OSLC-ems/to
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Mapping => ogit/OSLC-ems/DimensionMember

2.2.0.8 ogit/OSLC-ems/grain

This property links a resource to a grain.

- id: http://www.purl.org/ogit/OSLC-ems/grain
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.9 ogit/OSLC-ems/dimensionMember

This property links a dimension cell to its dimension member.

- id: http://www.purl.org/ogit/OSLC-ems/dimensionMember
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.10 ogit/OSLC-ems/inColumn

This property links a cell to its column. Dimension cells (see ems:DimensionCell) are linked to dimension columns (see ems:DimensionColumn). Measure cells (see ems:MeasureCell) are linked to measure columns (see ems:MeasureColumn).

- id: http://www.purl.org/ogit/OSLC-ems/inColumn
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.11 ogit/OSLC-ems/projectList

This property links a service to its project list.

- id: http://www.purl.org/ogit/OSLC-ems/projectList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Service => ogit/OSLC-ems/ProjectList

2.2.0.12 ogit/OSLC-ems/quantile

This property links a quantile function resource to one or more quantiles.

- id: http://www.purl.org/ogit/OSLC-ems/quantile
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/QuantileFunction => ogit/OSLC-ems/Quantile

2.2.0.13 ogit/OSLC-ems/scenarioList

This property links a service to its scenario list.

- id: http://www.purl.org/ogit/OSLC-ems/scenarioList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Service => ogit/OSLC-ems/ScenarioList

2.2.0.14 ogit/OSLC-ems/observes

This property links a measurement to the observed value of a measure. In an EMS service, the measurement is a resource of type `ems:Measurement` which may observe zero or more measures. For example, a measurement at the end of a project may observe a *duration of 12 months* and a *cost of 200,000 USD*.

- id: http://www.purl.org/ogit/OSLC-ems/observes
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.15 ogit/OSLC-ems/unitOfMeasure

This property gives the unit of measure. For example, the measure *duration of 12 months* has a unit of measure *months*.

- id: http://www.purl.org/ogit/OSLC-ems/unitOfMeasure
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Measure => ogit/OSLC-ems/UnitOfMeasure

2.2.0.16 ogit/OSLC-ems/memberScenario

This property links a scenario list to its member scenarios.

- id: http://www.purl.org/ogit/OSLC-ems/memberScenario
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/ScenarioList => ogit/OSLC-ems/Scenario

2.2.0.17 ogit/OSLC-ems/predictsTable

This property links an estimate to the predicted value for some fact table of measures, e.g. staffing by week. The predicted fact table contains probability distributions.

- id: http://www.purl.org/ogit/OSLC-ems/predictsTable
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Estimate => ogit/OSLC-ems/FactDistributionTable

2.2.0.18 ogit/OSLC-ems/memberBaseline

This property links a baseline list to its member baselines.

- id: http://www.purl.org/ogit/OSLC-ems/memberBaseline
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/BaselineList => ogit/OSLC-ems/Baseline

2.2.0.19 ogit/OSLC-ems/assumesWbs

This property links a scenario to the assumed work breakdown structure.

- id: http://www.purl.org/ogit/OSLC-ems/assumesWbs
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Scenario => ogit/OSLC-ems/WorkBreakdownStructure

2.2.0.20 ogit/OSLC-ems/cdfPoint

This property links a cumulative probability function resource to one or more points on its graph.

- id: http://www.purl.org/ogit/OSLC-ems/cdfPoint
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/CumulativeDistributionFunction => ogit/OSLC-ems/CdfPoint

2.2.0.21 ogit/OSLC-ems/observesTable

This property links a measurement to the observed fact table. The fact table analyzes the measurement along one or more dimensions.

- id: http://www.purl.org/ogit/OSLC-ems/observesTable
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.22 ogit/OSLC-ems/fact

This property links a fact table to its fact rows. In general, a fact table will have many fact rows. If the fact table has an `ems:tableSource` property, then the rows of the fact table MUST be a copy of the data values received in the response of an HTTP GET request of the URL of the remote table source.

- id: http://www.purl.org/ogit/OSLC-ems/fact
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.23 ogit/OSLC-ems/measureCell

This property links a fact row to one or more of its measure cells.

- id: http://www.purl.org/ogit/OSLC-ems/measureCell
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.24 ogit/OSLC-ems/extendsScenario

This property links a scenario a base scenario that it extends. The base scenario contains assumptions that can be included in several other extended scenarios.

- id: http://www.purl.org/ogit/OSLC-ems/extendsScenario
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Scenario => ogit/OSLC-ems/Scenario

2.2.0.25 ogit/OSLC-ems/currentBaseline

This property links a project to its current baseline.

- id: http://www.purl.org/ogit/OSLC-ems/currentBaseline
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Project => ogit/OSLC-ems/Baseline

2.2.0.26 ogit/OSLC-ems/memberProject

This property links a project list to its member projects.

- id: http://www.purl.org/ogit/OSLC-ems/memberProject
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/ProjectList => ogit/OSLC-ems/Project

2.2.0.27 ogit/OSLC-ems/dimensionColumn

This property links the head of a fact table to one or more ems:DimensionColumn resources that define dimension columns. Every fact table MUST have at least one dimension column.

- id: http://www.purl.org/ogit/OSLC-ems/dimensionColumn
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.28 ogit/OSLC-ems/tableSource

Fact tables contain actual measurements for projects, systems, or things. In practice, there may be many measurements and they may be updated frequently. The measurements may be at a finer level of granularity than the estimates, e.g. a project may estimate total defects found per month, whereas the actual number found may be collected daily. Furthermore, these measurements are often collected automatically by software development tools such as bug tracking systems or source code control systems. It may therefore be useful to simply refer to the source of the measurements rather than copy the actual measurements into the EMS service provider, e.g. a dynamic query on a software tool may generate the fact table on demand.

This property lets you refer to the remote source of the fact table data via a URL. An HTTP GET request on this URL MUST return an ems:FactTable resource whose dcterms:title and ems:head properties match this resource.

- id: http://www.purl.org/ogit/OSLC-ems/tableSource
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.29 ogit/OSLC-ems/measureColumn

This property links the head of a fact table to one or more `ems:MeasureColumn` resources that define measure columns. Every fact table MUST have at least one measure column.

- id: `http://www.purl.org/ogit/OSLC-ems/measureColumn`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.30 ogit/OSLC-ems/baselineList

This property links a service to its baseline list.

- id: `http://www.purl.org/ogit/OSLC-ems/baselineList`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Service => ogit/OSLC-ems/BaselineList

2.2.0.31 ogit/OSLC-ems/useMap

This property links a resource to a map.

- id: `http://www.purl.org/ogit/OSLC-ems/useMap`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.32 ogit/OSLC-ems/predictsWbs

This property links an estimate to the predicted work breakdown structure.

- id: `http://www.purl.org/ogit/OSLC-ems/predictsWbs`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Estimate => ogit/OSLC-ems/WorkBreakdownStructure

2.2.0.33 ogit/OSLC-ems/seeAlsoPerformance

This property links a project to a corresponding resource in a performance management application.

- id: http://www.purl.org/ogit/OSLC-ems/seeAlsoPerformance
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.34 ogit/OSLC-ems/wbsSource

This property links a WBS resource to a resource that contains the WBS XML content. This content MUST be in the XML format specified by the WBS resource. When this link is deferenced using an HTTP GET request, the response MUST be the WBS. If this property is absent, then the WBS resource MUST have a ems:wbsContent property.

- id: http://www.purl.org/ogit/OSLC-ems/wbsSource
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.35 ogit/OSLC-ems/mapping

This property links a map to a mapping. A map may have one or more mappings.

- id: http://www.purl.org/ogit/OSLC-ems/mapping
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Map => ogit/OSLC-ems/Mapping

2.2.0.36 ogit/OSLC-ems/service

This property is used to link a resource to the EMS service instance that hosts it.

- id: http://www.purl.org/ogit/OSLC-ems/service
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.37 ogit/OSLC-ems/metric

This property links a measure to its metric. For example, the measure *duration of 12 months* has the metric *duration*.

- id: http://www.purl.org/ogit/OSLC-ems/metric
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.38 ogit/OSLC-ems/distribution

This property links a resource, e.g. ems:MeasureDistribution to a probability distribution.

- id: http://www.purl.org/ogit/OSLC-ems/distribution
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.39 ogit/OSLC-ems/memberMeasurement

This property links a measurement list to its member measurements.

- id: http://www.purl.org/ogit/OSLC-ems/memberMeasurement
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/MeasurementList => ogit/OSLC-ems/Measurement

2.2.0.40 ogit/OSLC-ems/seeAlsoPortfolio

This property links a project to a corresponding resource in a portfolio management application.

- id: http://www.purl.org/ogit/OSLC-ems/seeAlsoPortfolio
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.41 ogit/OSLC-ems/memberEstimate

This property links an estimate list to its member estimates.

- id: http://www.purl.org/ogit/OSLC-ems/memberEstimate
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.42 ogit/OSLC-ems/head

This property links a fact table to an ems:Head resource that describes the columns of the table.

- id: http://www.purl.org/ogit/OSLC-ems/head
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.43 ogit/OSLC-ems/measurementList

This property links a service to its measurement list.

- id: http://www.purl.org/ogit/OSLC-ems/measurementList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Service => ogit/OSLC-ems/MeasurementList

2.2.0.44 ogit/OSLC-ems/dimension

This property links a resource to a dimension.

- id: http://www.purl.org/ogit/OSLC-ems/dimension
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.45 ogit/OSLC-ems/estimate

The property links a resource to an estimate.

- id: http://www.purl.org/ogit/OSLC-ems/estimate
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.46 ogit/OSLC-ems/wbsContent

This property gives the literal XML WBS content of a WBS resource. This content MUST be in the XML format specified by the WBS resource. If this property is absent, then `ems:wbsSource` MUST be present. If this property and `ems:wbsSource` are present, then the value of this property SHOULD be the XML document representation returned in the HTTP GET response for the link given in `ems:wbsSource`.

- id: http://www.purl.org/ogit/OSLC-ems/wbsContent
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.47 ogit/OSLC-ems/seeAlsoEstimation

This property links a project to a corresponding resource in an estimation application.

- id: http://www.purl.org/ogit/OSLC-ems/seeAlsoEstimation
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.48 ogit/OSLC-ems/dimensionCell

This property links a fact row to one or more of its dimension cells.

- id: http://www.purl.org/ogit/OSLC-ems/dimensionCell
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

2.2.0.49 ogit/OSLC-ems/wbsFormat

This property links a WBS resource to the XML format of its content. EMS does not define a format for WBS content. Instead, this property identifies the specification that defines the XML format of the WBS content.

- id: http://www.purl.org/ogit/OSLC-ems/wbsFormat
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/WorkBreakdownStructure => ogit/OSLC-ems/WbsFormat

2.2.0.50 ogit/OSLC-ems/estimateList

This property links a service to its estimate list.

- id: http://www.purl.org/ogit/OSLC-ems/estimateList
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Service => ogit/OSLC-ems/EstimateList

2.2.0.51 ogit/OSLC-ems/assumes

This property links a scenario to the assumed value for some measure, e.g. duration, size. The assumed value is a probability distribution.

- id: http://www.purl.org/ogit/OSLC-ems/assumes
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Scenario => ogit/OSLC-ems/MeasureDistribution

2.2.0.52 ogit/OSLC-ems/assumesTable

This property links a scenario to the assumed value for some fact table of measures, e.g. staffing by week. The assumed fact table contains probability distributions.

- id: http://www.purl.org/ogit/OSLC-ems/assumesTable
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

Allowed Connection

- ogit/OSLC-ems/Scenario => ogit/OSLC-ems/FactDistributionTable

2.3 Attributes

2.3.0.1 ogit/OSLC-ems/numberOfQuantiles

This property gives the *number of quantiles* parameter value of a probability distribution.

- id: http://www.purl.org/ogit/OSLC-ems/numberOfQuantiles
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.2 ogit/OSLC-ems/numericValue

This property gives the numeric value of a resource. For example, the numeric value of the measure *duration of 12 months* is 12. The datatype of this property is typically `xsd:double`.

- id: http://www.purl.org/ogit/OSLC-ems/numericValue
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.3 ogit/OSLC-ems/lambda

This property gives the *lambda* parameter value of a Poission distribution.

- id: http://www.purl.org/ogit/OSLC-ems/lambda
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.4 ogit/OSLC-ems/from

This property links a mapping to its custom label value. The value MUST be unique within its enclosing map resource.

- id: http://www.purl.org/ogit/OSLC-ems/from
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.5 ogit/OSLC-ems/isClosed

This boolean property indicates if the project is closed. No further activities or measurements are done on closed projects. The measurements of closed projects can be used to calibrate the estimates for new projects. When a project is completed and all measurements on it have been performed, it is marked as closed by setting this property to `true`.

- id: http://www.purl.org/ogit/OSLC-ems/isClosed
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.6 ogit/OSLC-ems/low

This property gives the *low* parameter value of a probability distribution.

- id: http://www.purl.org/ogit/OSLC-ems/low
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.7 ogit/OSLC-ems/probability

This property gives the cumulative probability. For example, the cumulative probability of the third quartile is 75%.

- id: http://www.purl.org/ogit/OSLC-ems/probability
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.8 ogit/OSLC-ems/mostLikely

This property gives the *most likely* parameter value of a probability distribution.

- id: http://www.purl.org/ogit/OSLC-ems/mostLikely
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.9 ogit/OSLC-ems/realProjectId

This property links a project to an identifier of the project as a real-world object.

- id: http://www.purl.org/ogit/OSLC-ems/realProjectId
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.10 ogit/OSLC-ems/scale

This property gives the *scale* parameter value of a probability distribution. This parameter is also known as the *standard deviation* and is often denoted by the Greek letter sigma.

- id: `http://www.purl.org/ogit/OSLC-ems/scale`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.11 ogit/OSLC-ems/high

This property gives the *high* parameter value of a probability distribution.

- id: `http://www.purl.org/ogit/OSLC-ems/high`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer

2.3.0.12 ogit/OSLC-ems/isActive

This boolean property indicates if a scenario is under active consideration. When a scenario has been ruled out, it is marked as inactive by setting this property to `false`.

- id: `http://www.purl.org/ogit/OSLC-ems/isActive`
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer