

# Glossary for the S-Series ILS specifications

SX001G-B6865-0X001-00

Issue No. 1.1



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## Highlights

The following tables summarize the changes that brought about changes to the chapters highlighted. [Table 1](#) lists changes that are common to many chapters.

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*Table 1 General*

CPF	Summary of changes
N/A	Initial issue

*Table 2 Front Matter*

Chap No	Summary of changes
N/A	Initial issue

*Table 3 Chap 1*

Chap No	Summary of changes
<a href="#">Chap 1.2</a>	Corrected the titles of S-Series specifications
<a href="#">Chap 1.4</a>	Corrected the title of SX000i

*Table 4 Chap 2*

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<a href="#">Chap 2.3</a>	Added Contract class and attributes
<a href="#">Chap 2.13</a>	Added Message UoF, associated classes and attributes
<a href="#">Chap 2.16</a>	Expanded Product UoF to Product and Project UoF and added Project class and attributes
<a href="#">Chap 2.18</a>	Added Remark UoF, associated classes and attributes

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The language to be used in the arbitral proceedings shall be English.

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## Chapter 1

### *Introduction to the specification*

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## Chapter 1.1

### *Purpose*

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### *References*

*Table 1 References*

Chap No./Document No.	Title
S1000D	International specification for technical publications using a common source database
SX000i	International guide for the use of the S-Series Integrated Logistics Support (ILS) specifications

#### **1     General**

The glossary for the S-Series Integrated Logistic Support (ILS) specifications is a repository of the terms and their definitions used throughout the S-Series ILS specifications.

#### **2     Purpose**

The purpose of the glossary is to provide a consolidated and harmonized set of terms and definitions that are used within each of the individual S-Series ILS specifications. These include both business terms and data item terms. Business terms include concepts that are significant for understanding one or more of the S-Series ILS specifications. Data item terms correspond to the elements defined within the data models of the S-Series ILS specifications.

#### **3     Background**

The international aerospace and defense community has, over the past 20 years, invested considerable effort developing specifications in the field of ILS. The work was accomplished by integrated working groups composed of industry and customer organizations in a collaborative environment. Customer organizations included representatives from national ministries and departments of defense from Europe and the United States. Aerospace and defense associations provided guidance and supported the work as required. The structure and functional coverage of these specifications was largely determined by North Atlantic Treaty Organization (NATO) requirements specified during an international workshop in Paris in 1993.



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Beginning in 2003, the relationships between supporting industry organizations were formalized through a series of Memorandums of Understanding (MOU). Initially AeroSpace and Defense Industries Association of Europe (ASD) and Aerospace Industries Association (AIA) signed an MOU to jointly develop and maintain S1000D.

In 2010, ASD and AIA signed an MOU to promote a common, interoperable, international suite of integrated logistics support specifications and jointly develop the S-Series ILS specifications. This MOU authorized the formation of the AIA/ASD ILS Specifications Council, whose responsibilities include performing liaison between ASD and AIA, developing and maintaining the S-Series ILS specifications, administering joint meetings and identifying additional areas of harmonization.

The need for a consolidated and harmonized glossary of terms and definitions was recognized as a fundamental requirement for the complete S-Series ILS specifications. Its creation and maintenance was assigned to the Data Modeling and Exchange Working Group (DMEWG) and is numbered SX001G to align it with SX000i.

## Chapter 1.2

### Scope

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S1000D	International specification for technical publications using a common source database
S2000M	International specification for material management - Integrated data processing for military equipment
S3000L	International procedure specification for Logistics Support Analysis (LSA)
S4000P	International specification for developing and continuously improving preventive maintenance
S5000F	International specification for in-service data feedback
S6000T	International specification for training analysis and design - Human performance analysis, training analysis and training design
SX000i	International guide for the use of the S-Series Integrated Logistic Support (ILS) Specifications
SX002D	Common data model for the S-Series ILS specifications
SX003X	Compatibility matrix for the S-Series ILS Specifications
SX004G	Unified Modeling Language (UML) model readers' guidance

## **1 General**

SX001G is designed to consolidate all terms and definitions used throughout the S-Series Integrated Logistic Support (ILS) specifications into a single glossary, which includes both business terms and data item terms. Business terms include concepts that are significant for understanding one or more of the S-Series ILS specifications. Data item terms correspond to elements defined within the data models of the S-Series ILS specifications.

## **2 Scope**

The scope of Issue 1.1 of SX001G is limited to the terms and definitions of the data items defined in SX002D Common data model for the S-Series ILS specifications.

## **3 S-Series ILS Specifications**

Multiple AeroSpace and Defense Industries Association of Europe (ASD) and Aerospace Industries Association of America (AIA) ILS specifications are currently available or in the process of development, including:

- S1000D International specification for technical publications using a common source database
- S2000M International specification for material management - Integrated data processing for military equipment
- S3000L International procedure specification for Logistics Support Analysis (LSA)
- S4000P International specification for developing and continuously improving preventive maintenance
- S5000F International specification for in-service data feedback
- S6000T International specification for training analysis and design - Human performance analysis, training analysis and training design
- SX000i International guide for the use of the S-Series Integrated Logistic Support (ILS) Specifications
- SX002D Common data model for the S-Series ILS specifications
- SX003X Compatibility matrix for the S-Series ILS specifications
- SX004G Unified Modeling Language (UML) model readers' guidance

## Chapter 1.3

### *How to use the specification*

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### **References**

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<a href="#">Chap 2</a>	Glossary
SX002D	Common data model for the S-Series ILS specifications
SX004G	Unified Modeling Language (UML) model readers' guidance

#### **1     General**

This chapter gives an overview of the organization of the specification and the fundamental reading rules.

#### **2     Acronyms**

Acronyms are included to aid understanding and to minimize duplication. They are included with the terms and definitions used in this specification and are ordered alphabetically based on the acronym. The same acronym is used for all tenses, the possessive case and singular and plural forms of a given word or term.

#### **3     Organization of the specification**

##### **3.1   Chapter 1 - Introduction to the specification**

[Chap 1](#) provides a summarized view on purpose, background and scope of SX001G.

## 3.2 Chapter 2 - Glossary

[Chap 2](#) provides the Glossary terms and definitions. [Chap 2](#) is subdivided into a separate subchapter for each letter of the alphabet and one for numbers. The text of [Chap 2](#) includes a Table of Contents with a link to the alphabetized subchapters, providing a convenient way to locate a specific term.

Each term entry consists of mandatory and optional components.

### 3.2.1 Term (Mandatory)

The name of the business term, class definition, element, attribute, or acronym that is being defined.

Terms coming from the S-Series ILS specifications data models conform to the camel case naming convention of writing compound words or phrases such that each next word begins with a capital letter. The S-Series ILS specifications convention is to capitalize the first letter for class names (example: UpperCamelCase) and to use a lower case first letter for attribute names (example: lowerCamelCase). Refer to SX004G.

### 3.2.2 Definition (Mandatory)

A formal statement explaining the meaning or concept of a term. Definitions are intended to be definite, distinct, and clear.

The standard pattern for definitions in SX001G consists of the following parts:

- the term (word or phrase) to be defined
- the class of object or concept to which the term belongs
- the differentiating characteristics that distinguish it from all others of its class

Exceptions to this pattern are where the source of the definition comes from another specification that does not apply the same definition writing rules.

### 3.2.3 Type (Mandatory)

The type is a classification of the term into categories intended to provide context of the term to the reader.

The majority of the terms in SX001G are either Unified Modeling Language (UML) types or classes and attributes of the SX002D Common Data Model (CDM). Term types coming from the CDM will have a “CDM” prefix, term types coming from UML will have a “UML” prefix. See SX004G for details on the CDM and UML types.

Types within the SX001G Glossary are:

- Acronym - a word formed from the initial letter or letters of each of the successive parts or major parts of a compound term
- CDM AuthorizedLife
- CDM ClassificationType
- CDM DateType
- CDM DescriptorType
- CDM IdentifierType
- CDM Organization
- CDM PropertyType
- CDM SerialNumberRange
- CDM Unit of Functionality
- UML Abstract class
- UML attributeGroup stereotype
- UML char
- UML Class

- UML compoundAttribute stereotype
- UML double
- UML int
- UML interface
- UML primitive stereotype
- UML relationship stereotype

See SX004G (Unified Modeling Language (UML) model readers' guidance) for details on the CDM and UML types.

#### **3.2.4 Reference (Optional)**

Links to terms used within the definition of this term.

#### **3.2.5 Note (Optional)**

A note provides additional comments associated with the glossary term that are not part of the definition but can help convey the meaning or use of the term.

#### **3.2.6 Example (Optional)**

There can be examples of the term where such examples are necessary to describe the term.

#### **3.2.7 Source of the definition (Optional)**

Reference to a specification external to the S-Series specifications where the term is already defined and the definition is reused in SX001G in part or in whole.

## Chapter 1.4

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### *References*

*Table 1 References*

Chap No./Document No.	Title
SX000i	International guide for the use of the S-Series Integrated Logistic Support (ILS) specifications

## 1 Maintenance of the specification

SX001G is maintained by the Data Modeling and Exchange Working Group (DMEWG) operating under the supervision of the Integrated Logistic Support (ILS) Specifications Council. Both the DMEWG and the AIA/ASD ILS Specifications Council include representatives from AeroSpace and Defense Industries Association of Europe (ASD) and Aerospace Industries Association (AIA) member companies and nations.

Technical issues related to SX001G can be raised using the issue form found at SX000i Appendix I and at [www.sx000i.org/CPF](http://www.sx000i.org/CPF). Technical issues can, in due course, become a Change Request. Technical issues and change requests are submitted with the understanding that any revisions to SX001G can affect the other specifications in the S-Series ILS specifications, and that proposed changes are subject to international agreement among ASD and AIA member companies and nations.

Upon receipt of a change request, the DMEWG will follow the change management process described in SX000i Chapter 4, to gain consensus agreement from the participating organizations prior to the publication of changes. The DMEWG considers change proposals at each meeting and ratifies them for incorporation in the specification. The DMEWG also decides when changes will be published in SX001G.

## Chapter 2

### Glossary

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**Chap 2**



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## Chapter 2.1

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### 1 **Aggregated Element UoF**

**Definition**

Aggregated Element UoF provides the capability to specify that an element within a breakdown represents a collection of elements for an identified purpose.

**Type**

CDM Unit of Functionality

### 2 **AggregatedElement**

**Definition**

AggregatedElement is a BreakdownElement that identifies a collection of BreakdownElements that are grouped for an identified purpose.

**Reference**

BreakdownElement, refer to [Chap 2.2](#)

**Type**

UML Class

### 3 **AggregatedElementRevision**

**Definition**

AggregatedElementRevision is an iteration that is applied to an AggregatedElement.

**Reference**

AggregatedElement, refer to [Para 2](#)

**Type**

UML Class

### 4 **aggregatedElementType**

**Definition**

aggregatedElementType is a classification that identifies further specialization of an AggregatedElement.

**Reference**

AggregatedElement, refer to [Para 2](#)

**Examples**

- System

- Function
- Family
- Slot

**Type**

CDM ClassificationType

## 5 AIA

**Definition**

Aerospace Industries Association

**Type**

Acronym

## 6 AllowedProductConfiguration

**Definition**

AllowedProductConfiguration defines permitted combinations of hardware and software parts that can or must be installed in specific locations (positions), together with all associated engineering instructions that must be adhered to during assembly and operation and that demonstrates that a product complies with applicable regulations.

**Note**

A serialized product can adhere to different allowed product configurations over time.

**Example**

Applicable regulations can be a Type Certificate

**Type**

UML interface stereotype

## 7 AllowedProductConfigurationByConfigurationIdentifier

**Definition**

AllowedProductConfigurationByConfigurationIdentifier is an AllowedProductConfiguration that is identified by means other than a part number.

**Reference**

AllowedProductConfiguration, refer to [Para 6](#)

**Type**

UML Class

## 8 AllowedProductConfigurationHardwarePartAsDesigned

**Definition**

AllowedProductConfigurationHardwarePartAsDesigned is a HardwarePartAsDesigned that is managed in accordance with an AllowedProductConfiguration.

**References**

- AllowedProductConfiguration, refer to [Para 6](#)
- HardwarePartAsDesigned, refer to [Chap 2.8](#)

**Type**

UML Class

## 9 allowedProductConfigurationIdentifier

### Definition

allowedProductConfigurationIdentifier is a string of characters that are unique to the issuing organization that is used to designate an AllowedProductConfiguration and to differentiate it from other AllowedProductConfigurations.

### Reference

AllowedProductConfiguration, refer to [Para 6](#)

### Type

CDM IdentifierType

## 10 AllowedProductConfigurationItem

### Definition

AllowedProductConfigurationItem represents the common behavior of those items that can be included in an AllowedProductConfiguration.

### Reference

AllowedProductConfiguration, refer to [Para 6](#)

### Type

UML interface stereotype

## 11 AlternatePartAsDesignedRelationship

### Definition

AlternatePartAsDesignedRelationship is an interchangeability relationship where one (relating) PartAsDesigned can replace another (related) PartAsDesigned in all its uses, is context independent, and is form, fit and function equivalent.

### Reference

PartAsDesigned, refer to [Chap 2.16](#)

### Note

A part can have one or more alternate parts.

### Note

The alternate part is interchangeable with the base part in any/all uses.

### Type

UML relationship stereotype

## 12 AND

### Definition

AND is a specialization of LogicalOperator that defines a set of ApplicabilityEvaluation that must all be TRUE for the containing ApplicabilityEvaluationByLogicalOperator to be TRUE.

### References

- ApplicabilityEvaluation, refer to [Para 18](#)
- ApplicabilityEvaluationByLogicalOperator, refer to [Para 23](#)
- LogicalOperator, refer to [Chap 2.12](#)

### Type

UML Class

---

## 13 **Applicability Statement UoF**

### **Definition**

Applicability Statement UoF provides the capability to define the situation or situations under which related items are valid.

### **Type**

CDM Unit of Functionality

## 14 **ApplicabilityAssertItem**

### **Definition**

ApplicabilityAssertItem represents the common behavior of those items (class instances) that can be used in the definition of applicability statements.

### **Type**

UML interface stereotype

## 15 **ApplicabilityAssignment**

### **Definition**

ApplicabilityAssignment is an association between an ApplicabilityStatement (the relating) and an item (the related) that is valid only for the situation or situations specified in the ApplicabilityStatement.

### **Reference**

ApplicabilityStatement, refer to [Para 25](#)

### **Type**

UML relationship stereotype

## 16 **ApplicabilityAssignmentItem**

### **Definition**

ApplicabilityAssignmentItem represents the common behavior of those items (class instances) that have restricted validity as defined by an associated ApplicabilityStatement.

### **Reference**

ApplicabilityStatement, refer to [Para 25](#)

### **Type**

UML interface stereotype

## 17 **applicabilityEndDate**

### **Definition**

applicabilityEndDate is a date that defines the upper bound of the interval for a DatedApplicabilityStatement.

### **Reference**

DatedApplicabilityStatement, refer to [Chap 2.4](#)

### **Type**

CDM DateType

## 18 **ApplicabilityEvaluation**

### **Definition**

ApplicabilityEvaluation is a Boolean expression that can be evaluated to be either TRUE or FALSE.

**Type**  
UML Abstract class

## 19 **ApplicabilityEvaluationByApplicabilityStatementReference**

### **Definition**

ApplicabilityEvaluationByApplicabilityStatementReference is an ApplicabilityEvaluation that references an ApplicabilityStatement that is to be reused as part of this ApplicabilityEvaluation.

### **References**

- ApplicabilityEvaluation, refer to [Para 18](#)
- ApplicabilityStatement, refer to [Para 25](#)

### **Note**

This class enables the definition of nested applicability statements.

**Type**  
UML Class

## 20 **ApplicabilityEvaluationByAssertion**

### **Definition**

ApplicabilityEvaluationByAssertion is an ApplicabilityEvaluation that identifies a value or condition that can be tested and evaluated to be either TRUE or FALSE.

### **Reference**

ApplicabilityEvaluation, refer to [Para 18](#)

**Type**  
UML Abstract class

## 21 **ApplicabilityEvaluationByAssertionOfClassInstance**

### **Definition**

ApplicabilityEvaluationByAssertionOfClassInstance is an ApplicabilityEvaluation that identifies a class instance that can be evaluated to be either TRUE or FALSE.

### **Reference**

ApplicabilityEvaluation, refer to [Para 18](#)

**Type**  
UML Class

## 22 **ApplicabilityEvaluationByAssertionOfCondition**

### **Definition**

ApplicabilityEvaluationByAssertionOfCondition is an ApplicabilityEvaluation that identifies a condition and a value that can be evaluated to be either TRUE or FALSE.

### **Reference**

ApplicabilityEvaluation, refer to [Para 18](#)

**Type**  
UML Class

---

## 23 **ApplicabilityEvaluationByLogicalOperator**

### **Definition**

ApplicabilityEvaluationByLogicalOperator is an ApplicabilityEvaluation that defines a Boolean expression between additional ApplicabilityEvaluation that can be evaluated to be either TRUE or FALSE.

### **Reference**

ApplicabilityEvaluation, refer to [Para 18](#)

### **Type**

UML Class

## 24 **applicabilityStartDate**

### **Definition**

applicabilityStartDate is a date that defines the lower bound of the interval for a DatedApplicabilityStatement.

### **Reference**

DatedApplicabilityStatement, refer to [Chap 2.4](#)

### **Type**

CDM DateType

## 25 **ApplicabilityStatement**

### **Definition**

ApplicabilityStatement is a rule that defines the situation or situations under which related items are valid.

### **Type**

UML Class

## 26 **applicabilityStatementDescription**

### **Definition**

applicabilityStatementDescription is a narrative statement that provides a human readable description of the rule expressed in the ApplicabilityStatement.

### **Reference**

ApplicabilityStatement, refer to [Para 25](#)

### **Type**

CDM DescriptorType

## 27 **applicabilityStatementIdentifier**

### **Definition**

applicabilityStatementIdentifier is a string of characters that is used to uniquely identify an ApplicabilityStatement and to differentiate it from other ApplicabilityStatements.

### **Reference**

ApplicabilityStatement, refer to [Para 25](#)

### **Type**

CDM IdentifierType



---

## 28 **ApplicableBlockOfSerializedItems**

### **Definition**

ApplicableBlockOfSerializedItems is an attribute group that identifies a range of serialized items.

### **Type**

UML attributeGroup stereotype

## 29 **applicableSerialNumberRange**

### **Definition**

applicableSerialNumberRange is a design characteristic that identifies an interval of serialized items which may be open-ended.

### **Type**

CDM SerialNumberRange

## 30 **ASD**

### **Definition**

AeroSpace and Defence Industries Association of Europe

### **Type**

Acronym

## 31 **AuthorityToOperate**

### **Definition**

AuthorityToOperate is issued by a regulating body to signify the safety aspects of a product to be manufactured and operated, and once issued the design cannot be changed.

### **Example**

Type certificate that signifies the airworthiness of an aircraft manufacturing design.

### **Type**

UML Class

## 32 **authorityToOperateIdentifier**

### **Definition**

authorityToOperateIdentifier is a string of characters that are unique to the issuing organization which is used to designate an AuthorityToOperate and to differentiate it from other AuthorityToOperate.

### **Reference**

AuthorityToOperate, refer to [Para 31](#)

### **Type**

CDM IdentifierType

## 33 **AuthorizedLife**

### **Definition**

AuthorizedLife is a compoundAttribute which identifies the maximum life limit for an item, along with an optional reference to the authorizing organization.

### **Type**

UML compoundAttribute stereotype

---

**34 authorizedLife**

**Definition**

authorizedLife is a characteristic which defines the maximum life limit for an item, and upon reaching this limit, any further usage of the item must be re-authorized.

**Type**

CDM PropertyType

## Chapter 2.2

### Glossary - B

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<a href="#">Chap 2.26</a>	Glossary - Z

## 1 Breakdown

### Definition

Breakdown is a view of Product that identifies a specific partitioning of a Product into a set of related elements so that parent-child views are formed, which comprise the Product elements.

### Type

UML Class

## 2 Breakdown Structure UoF

### Definition

Breakdown Structure UoF provides the capability to define any number of hierarchical structures for a specific Product or ProductVariant.

### References

- Product, refer to [Chap 2.16](#)
- ProductVariant, refer to [Chap 2.16](#)

### Note

Each Product can have one or more breakdowns defined at the Product level or the ProductVariant level, but never at both levels.

### Type

CDM Unit of Functionality

## 3 BreakdownElement

### Definition

BreakdownElement is a definition of an item used to represent a system, subsystem, function, zone, hardware item, etc, and is part of one or many Breakdown.

### Reference

Breakdown, refer to [Para 1](#)

### Type

UML Abstract class

## 4 breakdownElementEssentiality

### Definition

breakdownElementEssentiality is a design classification that identifies the operational impact of the BreakdownElement at the Product level.

### Note

Based on the criticality as defined during the Failure Mode, Effects and Criticality Analysis (FMECA).

### Reference

BreakdownElement, refer to [Para 3](#)

### Type

CDM ClassificationType

## 5 breakdownElementIdentifier

### Definition

breakdownElementIdentifier is a string of characters used to uniquely identify a BreakdownElement and to differentiate it from other BreakdownElement.

**Note**

Can be used to establish a hierarchical structure of the technical system.

**Reference**

BreakdownElement, refer to [Para 3](#)

**Examples**

- Example 1: The combination of logistics support analysis control number and alternate logistics support analysis control number within GEIA-STD-0007
- Example 2: The Standard Numbering System defined by S1000D

**Type**

CDM IdentifierType

## 6 BreakdownElementInZoneRelationship

**Definition**

BreakdownElementInZoneRelationship is an association between a ZoneElementRevision and a BreakdownElementRevision located within that zone.

**References**

- ZoneElementRevision, refer to [Chap 2.26](#)
- BreakdownElementRevision, refer to [Para 9](#)

**Type**

UML relationship stereotype

## 7 breakdownElementName

**Definition**

breakdownElementName is a word or phrase by which the BreakdownElement is known and can be easily referenced.

**Note**

It is recommended that breakdownElementName be the same as technical name in S1000D.

**Reference**

BreakdownElement, refer to [Para 3](#)

**Type**

CDM DescriptorType

## 8 breakdownElementRelationshipType

**Definition**

breakdownElementRelationshipType is a classification that identifies the type of relationship established between two BreakdownElementRevision.

**Note**

The related breakdown elements do not need to be used in the same breakdown. For instance, a relationship can be established between a breakdown element in a functional breakdown and a breakdown element in a physical breakdown.

**Reference**

BreakdownElementRevision, refer to [Para 9](#)

**Examples**

- alternateBreakdownElement

- functionalAndPhysicalBreakdownElementRelationship
- accessPoint

**Type**

CDM ClassificationType

## 9 BreakdownElementRevision

**Definition**

BreakdownElementRevision is an issue of a BreakdownElement.

**Reference**

BreakdownElement, refer to [Para 3](#)

**Type**

UML Abstract class

## 10 breakdownElementRevisionIdentifier

**Definition**

breakdownElementRevisionIdentifier is a string of characters that is used to uniquely identify a BreakdownElementRevision and to differentiate it from other BreakdownElementRevision.

**Reference**

BreakdownElementRevision, refer to [Para 9](#)

**Type**

CDM IdentifierType

## 11 BreakdownElementRevisionRelationship

**Definition**

BreakdownElementRevisionRelationship is an association where one BreakdownElementRevision (relating) can relate to another BreakdownElementRevision (related).

**Reference**

BreakdownElementRevision, refer to [Para 9](#)

**Type**

UML relationship stereotype

## 12 breakdownElementRevisionStatus

**Definition**

breakdownElementRevisionStatus is a classification that identifies the maturity of a BreakdownElementRevision.

**Example**

Valid classes are determined by the project.

**Reference**

BreakdownElementRevision, refer to [Para 9](#)

**Type**

CDM ClassificationType

---

## 13 BreakdownElementStructure

### Definition

BreakdownElementStructure is a relationship that establishes a hierarchical structure between BreakdownElementRevision (parent/child) that belong to the same BreakdownRevision.

### References

- BreakdownElementRevision, refer to [Para 9](#)
- BreakdownRevision, refer to [Para 18](#)

### Type

UML relationship stereotype

## 14 BreakdownElementStructureRelationship

### Definition

BreakdownElementStructureRelationship is a relationship where the usage of a BreakdownElementRevision (relating) is restricted or associated with the usage of another BreakdownElementRevision (related).

### Note

Both BreakdownElementRevision must reside within the same BreakdownRevision.

### Reference

BreakdownElementRevision, refer to [Para 9](#)

### Type

UML relationship stereotype

## 15 breakdownElementStructureRelationshipType

### Definition

breakdownElementStructureRelationshipType is a classification that identifies the type of restriction or association between two BreakdownElementRevision.

### Example

Version C of a radio is restricted to the use of Software version B in breakdown revision 2.

### Reference

BreakdownElementRevision, refer to [Para 9](#)

### Type

CDM ClassificationType

## 16 BreakdownElementUsageinBreakdown

### Definition

BreakdownElementUsageinBreakdown is an association establishing the BreakdownElementRevision (related) that belong to a BreakdownRevision (relating).

### Note

A BreakdownElementRevision can belong to multiple BreakdownRevision.

### References

- BreakdownElementRevision, refer to [Para 9](#)
- BreakdownRevision, refer to [Para 18](#)

### Type

UML relationship stereotype

---

## 17 BreakdownItem

### Definition

BreakdownItem represents the common behavior of those items (class instances) that can have an associated breakdown structure.

### Type

CDM InterfaceType

## 18 BreakdownRevision

### Definition

BreakdownRevision is an issue of a Breakdown.

### Note

BreakdownRevision is used to document design iterations and not breakdown variants.

### Reference

Breakdown, refer to [Para 1](#)

### Type

UML Class

## 19 breakdownRevisionIdentifier

### Definition

breakdownRevisionIdentifier is a string of characters used to uniquely identify a BreakdownRevision and to differentiate it from other BreakdownRevision.

### Reference

BreakdownRevision, refer to [Para 18](#)

### Type

CDM IdentifierType

## 20 breakdownRevisionStatus

### Definition

breakdownRevisionStatus is a classification that identifies the maturity of a BreakdownRevision.

### Example

Valid classes are determined by the project.

### Reference

BreakdownRevision, refer to [Para 18](#)

### Type

CDM ClassificationType

## 21 breakdownType

### Definition

breakdownType is a classification that identifies the type of Breakdown for the Product.

### Examples

- physicalBreakdown
- functionalBreakdown
- systemBreakdown
- ASDSystemHardwareBreakdown
- zonalBreakdown



- 
- familyTreeBreakdown
  - aggregatedBreakdown

**Reference**

Breakdown, refer to [Para 1](#)

**Type**

CDM ClassificationType.

## Chapter 2.3

### Glossary - C

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ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support

### 1 CDM

**Definition**

Common Data Model

**Type**

Acronym

### 2 Change Information UoF

**Definition**

Change Information UoF provides the capability to identify the items that have been affected by a ChangeAuthorization.

**Reference**

ChangeAuthorization, refer to [Para 3](#)

**Type**

CDM Unit of Functionality

### 3 ChangeAuthorization

**Definition**

ChangeAuthorization is a record of the permission to modify Product design, its procedures and/or associated logistics support data.

**Type**

UML Class

### 4 changeAuthorizationIdentifier

**Definition**

changeAuthorizationIdentifier is a string of characters that are unique to the issuing organization which is used to designate a ChangeAuthorization and to differentiate it from other ChangeAuthorizations.

**Reference**

ChangeAuthorization, refer to [Para 3](#)

**Type**

CDM IdentifierType

---

## 5 ChangeControlledItem

### Definition

ChangeControlledItem represents the common behavior of those items that can be affected by a ChangeAuthorization.

### Reference

ChangeAuthorization, refer to [Para 3](#)

### Type

UML interface stereotype

## 6 ChangeEffect

### Definition

ChangeEffect is a relationship between a ChangeAuthorization (relating) and the items (related) that have been affected due to that ChangeAuthorization.

### Reference

ChangeAuthorization, refer to [Para 3](#)

### Type

UML relationship stereotype

## 7 changeEffectDescription

### Definition

changeEffectDescription is a narrative statement providing a summary of effects made to the related items due to a ChangeAuthorization.

### Reference

ChangeAuthorization, refer to [Para 3](#)

### Type

CDM DescriptorType

## 8 changeEffectType

### Definition

changeEffectType is a classification that identifies a ChangeEffect as belonging to a group of ChangeEffects sharing a particular characteristic or set of characteristics.

### Examples

- Editorial change
- Technical change
- Markup change
- Applicability change
- Unique identifier of the referencing structure has changed

### Reference

ChangeEffect, refer to [Para 6](#)

### Type

CDM ClassificationType

---

## 9 class

### Definition

class is a characteristic that represents the term that is used for classification.

### Type

CDM ClassificationType

## 10 classificationDate

### Definition

classificationDate is a date that defines when the classification was determined.

### Type

CDM DateType

## 11 ClassificationType

### Definition

ClassificationType is a CDM primitive that represents classes (terms) that are used for classification.

### Note

Each term used for classification, and defined within the S-series specifications, has a definition in the SX001G Glossary.

### Type

UML primitive stereotype

## 12 classifier

### Definition

classifier is the word or code by which the class is known.

### Type

UML char

### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

## 13 ConditionDefinitionItem

### Definition

ConditionDefinitionItem represents the common behavior of those items (class instances) that can be tested against in the ConditionStatement part of an ApplicabilityStatement.

### References

- ConditionStatement, refer to [Para 18](#)
- ApplicabilityStatement, refer to [Chap 2.1](#)

### Type

UML interface stereotype

## 14 ConditionInstance

### Definition

ConditionInstance is an individual concept or object that has the characteristics of a generic ConditionType.

**Reference**

ConditionType, refer to [Para 19](#)

**Type**

UML Class

## 15 conditionInstanceDescription

**Definition**

conditionInstanceDescription is a narrative statement of the meaning of the ConditionInstance.

**Reference**

ConditionInstance, refer to [Para 14](#)

**Type**

CDM DescriptorType

## 16 conditionInstanceIdentifier

**Definition**

conditionInstanceIdentifier is a string of characters that is used to uniquely identify a ConditionInstance and to differentiate it from other ConditionInstances.

**Reference**

ConditionInstance, refer to [Para 14](#)

**Type**

CDM IdentifierType

## 17 conditionInstanceName

**Definition**

conditionInstanceName is a word or phrase by which the ConditionInstance is known and can be easily referenced.

**Reference**

ConditionInstance, refer to [Para 14](#)

**Type**

CDM DescriptorType

## 18 ConditionStatement

**Definition**

ConditionStatement is a combination of a defined condition and a defined value that can be evaluated to be either TRUE or FALSE.

**Type**

UML relationship stereotype

## 19 ConditionType

**Definition**

ConditionType is a class of concepts or objects that have a defined set of values that are used in ApplicabilityStatement where the concept or object is not already represented in the data model.

**Reference**

ApplicabilityStatement, refer to [Chap 2.1](#)

**Type**  
UML Class

## 20 **ConditionTypeClassValue**

**Definition**  
ConditionTypeClassValue is a classification that is valid for a specific ConditionType.

**Reference**  
ConditionType, refer to [Para 19](#)

**Type**  
UML Class

## 21 **conditionTypeClassValue**

**Definition**  
conditionTypeClassValue is a classification that is valid for a specific ConditionType.

**Reference**  
ConditionType, refer to [Para 19](#)

**Examples**  
Service bulletin

- pre
- post

Ashore or afloat

- ashore
- afloat

Operational environment

- arctic
- desert

Maintenance environment

- docked
- indoor
- outdoor

**Type**  
CDM ClassificationType

## 22 **conditionTypeDescription**

**Definition**  
conditionTypeDescription is a narrative statement of the meaning of the ConditionType.

**Reference**  
ConditionType, refer to [Para 19](#)

**Type**  
CDM DescriptorType

---

## 23 conditionTypeName

### Definition

conditionTypeName is a word or phrase by which the ConditionType is known and can be easily referenced.

### Examples

- serviceBulletinConditionType
- ashoreOrAfloatConditionType
- operationalEnvironmentConditionType
- maintenanceEnvironmentConditionType

### Reference

ConditionType, refer to [Para 19](#)

### Type

CDM ClassificationType

## 24 ConditionTypePropertyValue

### Definition

ConditionTypePropertyValue is a property that is valid for a specific ConditionType.

### Reference

ConditionType, refer to [Para 19](#)

### Type

UML Class

## 25 conditionTypePropertyValue

### Definition

conditionTypePropertyValue is a property that is valid for a specific ConditionType.

### Reference

ConditionType, refer to [Para 19](#)

### Type

CDM PropertyType

## 26 ConditionTypeValue

### Definition

ConditionTypeValue is a property or classification that is valid for a specific ConditionType.

### Reference

ConditionType, refer to [Para 19](#)

### Type

UML Abstract class

## 27 ContainedSubstance

### Definition

ContainedSubstance is a relationship between a Substance (related) and a HardwarePartAsDesigned (relating) in which the Substance is contained.

### References

- Substance, refer to [Chap 2.19](#)
- HardwarePartAsDesigned, refer to [Chap 2.8](#)





**Type**  
UML relationship stereotype

## 28 **Contract**

**Definition**  
Contract is an agreement between two or more parties, each of whom intends to create one or more legal obligations.

**Type**  
UML Class

## 29 **contractIdentifier**

**Definition**  
contractIdentifier is a string of characters that is used to uniquely identify a Contract and to differentiate it from other Contracts.

**Reference**  
Contract, refer to [Para 28](#)

**Type**  
CDM IdentifierType

## 30 **contractName**

**Definition**  
contractName is a word or phrase by which the Contract is known and can be easily referenced.

**Reference**  
Contract, refer to [Para 28](#)

**Type**  
CDM DescriptorType

## Chapter 2.4

### Glossary - D

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<a href="#">Chap 2.1</a>	Glossary - A
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support
OASIS PLCS DEXlib	Advanced open standards for the information society (OASIS) Product Life Cycle Support (PLCS) Data Exchange Specifications library (DEXlib)

## 1 DatedApplicabilityStatement

#### Definition

DatedApplicabilityStatement is an ApplicabilityStatement that is valid for a limited time interval.

#### Reference

ApplicabilityStatement, refer to [Chap 2.1](#)

#### Type

UML Class

---

## 2 DatedClassification

### Definition

DatedClassification is a compoundAttribute which provides a classification together with the date when the classification was determined.

### Type

UML compoundAttribute stereotype

## 3 DateTimeType

### Definition

DateTimeType is a primitive class used to represent time on a particular day.

### Type

UML primitive stereotype

### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

## 4 DateType

### Definition

DateType is a primitive class used to represent calendar dates.

### Type

UML primitive stereotype

### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

## 5 dayComponent

### Definition

dayComponent is the year element of the DateType expressed as an integer value between 1 and 31.

### Reference

DateType, refer to [Para 4](#)

### Type

UML int

### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

## 6 descriptorLanguage

### Definition

descriptorLanguage is a classification that determines the language in which the descriptorText is written.

### Reference

descriptorText, refer to [Para 9](#)

### Type

CDM ClassificationType

### Source of definition

OASIS PLCS DEXlib

---

**7 descriptorProvidedBy**

**Definition**

descriptorProvidedBy is the organization that provided the descriptorText.

**Reference**

descriptorText, refer to [Para 9](#)

**Type**

CDM Organization

**Source of definition**

OASIS PLCS DEXlib

**8 descriptorProvidedDate**

**Definition**

descriptorProvidedDate is the date when the descriptorText was provided.

**Reference**

descriptorText, refer to [Para 9](#)

**Type**

CDM DateType

**Source of definition**

OASIS PLCS DEXlib

**9 descriptorText**

**Definition**

descriptorText is text that provides further information about the subject under consideration.

**Type**

UML char

**Source of definition**

OASIS PLCS DEXlib

**10 DescriptorType**

**Definition**

DescriptorType is a UML primitive representing any kind of free form text.

**Type**

UML primitive stereotype

**11 DMEWG**

**Definition**

Data Modeling and Exchange Working Group

**Type**

Acronym

## Chapter 2.5

### Glossary - E

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None	

- 1      No glossary entries**  
 No glossary entries begin with the letter E.

## Chapter 2.6

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### References

*Table 1 References*

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None	

- 1 FMEA**  
**Definition**  
 Failure Modes and Effects Analysis  
  
**Type**  
 Acronym
- 2 FMECA**  
**Definition**  
 Failure Mode, Effects and Criticality Analysis  
  
**Type**  
 Acronym

## Chapter 2.7

### Glossary - G

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### References

*Table 1 References*

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None	

- 1      GEIA**
- Definition**  
Government Electronics & Information Technology Association
- Type**  
Acronym

## Chapter 2.8

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<a href="#">Chap 2.16</a>	Glossary - P
<a href="#">Chap 2.20</a>	Glossary - T
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support



## 1 Hardware Element UoF

### Definition

Hardware Element UoF provides the capability to specify that an element within a Breakdown is hardware and can be associated with the HardwarePartAsDesigned that fulfill the requirement.

### References

- Breakdown, refer to [Chap 2.2](#)
- HardwarePartAsDesigned, refer to [Para 8](#)

### Type

CDM Unit of Functionality

## 2 HardwareElement

### Definition

HardwareElement is a BreakdownElement representing a specification that is realized as a HardwarePartAsDesigned.

### References

- BreakdownElement, refer to [Chap 2.2](#)
- HardwarePartAsDesigned, refer to [Para 8](#)

### Type

UML Class

## 3 HardwareElementPartRealization

### Definition

HardwareElementPartRealization is a relationship between an instance of HardwareElementRevision and the HardwarePartAsDesigned that fulfills the hardware element specification.

### References

- HardwareElementRevision, refer to [Para 6](#)
- HardwarePartAsDesigned, refer to [Para 8](#)

### Type

UML relationship stereotype

## 4 hardwareElementRepairability

### Definition

hardwareElementRepairability is a design classification that indicates whether a part is repairable from a technical point of view, independent of customer maintenance concepts.

### Examples

- repairable
- partiallyRepairable
- expendable
- notApplicable

### Type

CDM ClassificationType

## 5 hardwareElementReplaceability

### Definition

hardwareElementReplaceability is a design classification that indicates whether a part is replaceable at its functional location defined from a technical point of view, independent of customer maintenance concepts.

**Examples**

- replaceable
- notReplaceable
- notApplicable

**Type**

CDM ClassificationType

## 6 HardwareElementRevision

**Definition**

HardwareElementRevision is an issue of a HardwareElement.

**Reference**

HardwareElement, refer to [Para 2](#)

**Type**

UML Class

## 7 hardwareElementType

**Definition**

hardwareElementType is a design classification that identifies a further specialization of a HardwareElement.

**Reference**

HardwareElement, refer to [Para 2](#)

**Examples**

- equipment
- accessPoint
  - door
  - panel
  - electricalPanel

**Type**

CDM ClassificationType

## 8 HardwarePartAsDesigned

**Definition**

HardwarePartAsDesigned is a PartAsDesigned that is realized as physical items including non-countable material.

**Reference**

PartAsDesigned, refer to [Chap 2.16](#)

**Examples**

- Non-countable materials include:
  - oil
  - sealant
  - paint

**Type**

UML Class

---

## 9 HardwarePartAsDesignedDesignData

### Definition

HardwarePartAsDesignedDesignData are the characteristics of a HardwarePartAsDesigned identified during the design activities.

### Reference

HardwarePartAsDesigned, refer to [Para 8](#)

### Type

UML attributeGroup stereotype

## 10 HardwarePartAsDesignedSupportData

### Definition

HardwarePartAsDesignedSupportData are the characteristics of a HardwarePartAsDesigned identified during the supportability analysis activities.

### Reference

HardwarePartAsDesigned, refer to [Para 8](#)

### Type

UML attributeGroup stereotype

## 11 hardwarePartHazardousClass

### Definition

hardwarePartHazardousClass is a design classification that identifies a HardwarePartAsDesigned as capable of posing a significant risk to health, safety or property during transportation, handling or storage.

### Reference

HardwarePartAsDesigned, refer to [Para 8](#)

### Type

CDM ClassificationType

## 12 hardwarePartLogisticsCategory

### Definition

hardwarePartLogisticsCategory is a support classification that defines the role of a HardwarePartAsDesigned in the context of product support.

### Examples

- expendable
- repairable
- consumable
- disposable
- material
- spare
- supply
- supportEquipment

### Reference

HardwarePartAsDesigned, refer to [Para 8](#)

### Type

CDM ClassificationType

### 13 hardwarePartOperationalAuthorizedLife

**Definition**

hardwarePartOperationalAuthorizedLife is a design characteristic that identifies the maximum usage limit for which an item can be operated, and upon reaching this limit, any further usage of the item must be re-authorized.

**Examples**

- hours
- cycles
- calendar
- landings

**Type**

CDM AuthorizedLife

### 14 hardwarePartRepairability

**Definition**

hardwarePartRepairability is a support classification that defines whether the HardwarePartAsDesigned is repairable from a technical perspective (ie, a vendor/supplier point of view) independent of customer maintenance concepts.

**Reference**

HardwarePartAsDesigned, refer to [Para 8](#)

**Type**

CDM ClassificationType

### 15 hardwarePartScrapRate

**Definition**

hardwarePartScrapRate is a support characteristic of a HardwarePartAsDesigned that defines the percentage of repairable units which, when removed from service, will be found to be beyond economic repair and therefore have to be scrapped.

**Reference**

HardwarePartAsDesigned, refer to [Para 8](#)

**Type**

CDM PropertyType

### 16 hour

**Definition**

The hour element of the DateTimeType that represents the integer number of hours.

**Reference**

DateTimeType, refer to [Chap 2.4](#)

**Type**

UML int

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support



---

**17 hourOffset****Definition**

The hourOffset element of TimeOffset represents the integer number of hours by which a time is offset from Coordinated Universal Time.

**Reference**

TimeOffset, refer to [Chap 2.20](#)

**Type**

UML int

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

## Chapter 2.9

### Glossary - I

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<a href="#">Chap 2.16</a>	Glossary - P
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support
OASIS PLCS DEXlib	Advanced open standards for the information society (OASIS) Product Life Cycle Support (PLCS) Data Exchange Specifications library (DEXlib)
S2000M	International specification for material management - Integrated data processing for military equipment
GEIA-STD-0007	GEIA-STD-0007 Logistics Product Data

#### 1 identifier

##### Definition

The text that conveys the assigned identifier.

##### Type

UML char

---

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

## 2 **identifierClassifier**

**Definition**

Classification that determines the type of identifier being defined.

**Reference**

identifier, refer to [Para 1](#)

**Examples**

- OEM part number
- NCAGE-code

**Type**

CDM ClassificationType

**Source of definition**

OASIS PLCS DEXlib

## 3 **identifierSetBy**

**Definition**

Defines the organization that “owns” the assigned identifier.

**Reference**

identifier, refer to [Para 1](#)

**Type**

CDM Organization

**Source of definition**

OASIS PLCS DEXlib

## 4 **IdentifierType**

**Definition**

IdentifierType primitive class is used to represent any form of identifier.

**Reference**

identifier, refer to [Para 1](#)

**Type**

UML primitive stereotype

**Source of definition**

OASIS PLCS DEXlib

## 5 **ILS**

**Definition**

Integrated Logistics Support

**Type**

Acronym

## 6 **IPC**

**Definition**

Illustrated Parts Catalogue

**Type**  
Acronym

**7**

## **ISO**

**Definition**

International Organization for Standardization

**Type**  
Acronym

**8**

## **ItemInAllowedProductConfiguration**

**Definition**

ItemInAllowedProductConfiguration is a relationship that defines items that comply with the relating AllowedProductConfiguration.

**Reference**

AllowedProductConfiguration, refer to [Chap 2.1](#)

**Type**  
UML relationship stereotype

**9**

## **ItemInProductVariant**

**Definition**

ItemInProductVariant is a relationship that defines items which are applicable to the relating ProductVariant.

**Reference**

ProductVariant, refer to [Chap 2.16](#)

**Notes**

Corresponds to "model version" (MOV) in S2000M.

Corresponds to "Usable on code" in GEIA-0007.

**Type**  
UML relationship stereotype



## Chapter 2.10

### Glossary - J

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### References

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None	

- 1      No glossary entries**  
 No glossary entries begin with the letter J.

## Chapter 2.11

### Glossary - K

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### References

*Table 1 References*

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None	

- 1      No glossary entries**  
 No glossary entries begin with the letter K.

## Chapter 2.12

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<a href="#">Chap 2.15</a>	Glossary - O
<a href="#">Chap 2.22</a>	Glossary - V
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support

## 1 lifeAuthorizingOrganization

#### Definition

lifeAuthorizingOrganization is the Organization that authorized the maximum life limit.

#### Reference

Organization, refer to [Chap 2.15](#)

#### Type

CDM Organization

## 2 LogicalOperator

#### Definition

LogicalOperator is the Boolean operation that is used in an ApplicabilityEvaluationByLogicalOperator.

**Reference**

ApplicabilityEvaluationByLogicalOperator, refer to [Chap 2.1](#)

**Type**

UML Abstract class

**3 lowerBound**

**Definition**

lowerBound is a characteristic that represents the first valid serial number.

**Type**

UML char

**4 lowerLimitValue**

**Definition**

lowerLimitValue is a decimal number that is the lower limit of a ValueRangePropertyType.

**Reference**

ValueRangePropertyType, refer to [Chap 2.22](#)

**Type**

UML double

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

**5 lowerOffsetValue**

**Definition**

lowerOffsetValue is the lower limit defined as the lower offset value from the single value (value + lower limit).

**Type**

UML double

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

**6 LSA**

**Definition**

Logistics Support Analysis (LSA)

**Type**

Acronym

## Chapter 2.13

### Glossary - M

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<a href="#">Chap 2.2</a>	Glossary - B
<a href="#">Chap 2.4</a>	Glossary - D
<a href="#">Chap 2.20</a>	Glossary - T
RFC 4647	Internet Engineering Task Force (IETF) RFC 4647 – Matching of Language Tags
IETF RFC 5646	Internet Engineering Task Force (IETF) RFC 5646 – Tags for Identifying Languages
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support
S4000P	International specification for developing and continuously improving preventive maintenance

### 1 maintenanceSignificantOrRelevantIndicator

#### Definition

maintenanceSignificantOrRelevantIndicator is a support classification of a BreakdownElement as being a candidate for maintenance as a result of scheduled maintenance analyses or Failure Modes and Effects Analyses (FMEA).

#### Note

A maintenance significant item is an item which was identified by any selection process coming from a scheduled maintenance analysis such as S4000P. For this type of item a scheduled maintenance task is documented. A maintenance relevant item is an item that can be repaired or replaced as a result of failure or damage.

#### Reference

BreakdownElement, refer to [Chap 2.2](#)

#### Type

CDM ClassificationType

### 2 Message

#### Definition

Message is a collection of information brought together by a MessageSender for the purpose of communicating it to another party.

#### Reference

MessageSender, refer to [Para 15](#)

#### Type

UML Class

### 3 Message UoF

**Definition**

Message UoF provides the capability to identify a collection of information to be communicated from one party to another.

**Type**

CDM Unit of Functionality

### 4 MessageContent

**Definition**

MessageContent is the collection of information that is the subject of the Message.

**Reference**

Message, refer to [Para 2](#)

**Type**

UML Class

### 5 messageContentStatus

**Definition**

messageContentStatus is a classification that identifies the overall quality assurance status of the MessageContent.

**Reference**

MessageContent, refer to [Para 4](#)

**Examples**

- from S2000M:
  - draft
  - formal
  - master

**Type**

CDM ClassificationType

### 6 MessageContext

**Definition**

MessageContext is a relationship between a Message and the framework for which it is being provided.

**Reference**

Message, refer to [Para 2](#)

**Type**

UML relationship stereotype

### 7 MessageContextItemSelect

**Definition**

MessageContextItemSelect represents the common behavior of those items that can be identified as the framework for a Message.

**Reference**

Message, refer to [Para 2](#)

**Type**  
UML interface stereotype

## 8 **messageCreationDate**

**Definition**  
messageCreateDate is a date/time that defines the date and time that the Message was generated.

**Reference**  
Message, refer to [Para 2](#)

**Type**  
CDM DateTimeType

## 9 **messageIdentifier**

**Definition**  
messageIdentifier is a string of characters that is used to uniquely identify a Message and to differentiate it from other Messages.

**Reference**  
Message, refer to [Para 2](#)

**Type**  
CDM IdentifierType

## 10 **messageLanguage**

**Definition**  
messageLanguage is a classification that identifies the default language of the information identified in the MessageContent.

**Reference**  
MessageContent, refer to [Para 4](#)  
IETF RFC 5646 and RFC 4647

**Type**  
CDM ClassificationType

## 11 **MessagePartySelect**

**Definition**  
MessagePartySelect represents the common behavior of those items that can be identified as a MessageSender or a MessageReceiver.

**Reference**  
MessageSender, refer to [Para 15](#)  
MessageReceiver, refer to [Para 12](#)

**Type**  
UML interface stereotype

## 12 **MessageReceiver**

**Definition**  
MessageReceiver is a relationship between a Message and the intended recipient of the message.



**Reference**

Message, refer to [Para 2](#)

**Type**

UML relationship stereotype

### 13 **MessageRelationship**

**Definition**

MessageRelationship is a relationship between two Messages.

**Reference**

Message, refer to [Para 2](#)

**Examples**

- One Message is a reply to another Message
- One Message is an update to another Message

**Type**

UML relationship stereotype

### 14 **messageRelationshipType**

**Definition**

messageRelationshipType is a classification that identifies the type of relationship between two Messages.

**Reference**

Message, refer to [Para 2](#)

**Examples**

- observation
- update
- acknowledgement
- reply

**Type**

CDM ClassificationType.

### 15 **MessageSender**

**Definition**

MessageSender is a relationship between a Message and the originator of the message.

**Reference**

Message, refer to [Para 2](#)

**Type**

UML relationship stereotype

### 16 **minute**

**Definition**

The minute element of the DateTimeType represents the integer number of minutes.

**Reference**

DateTimeType, refer to [Chap 2.4](#)

**Type**

UML int

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

**17 minuteOffset**

**Definition**

minuteOffset of TimeOffset is the integer number of minutes by which a time is offset from Coordinated Universal Time.

**Reference**

TimeOffset, refer to [Chap 2.20](#)

**Type**

UML int

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

**18 monthComponent**

**Definition**

monthComponent is the month of the DateType expressed as an integer between 1 and 12, where:

- 1 = January
- 2 = February
- 3 = March
- 4 = April
- 5 = May
- 6 = June
- 7 = July
- 8 = August
- 9 = September
- 10 = October
- 11 = November
- 12 = December

**Reference**

DateType, refer to [Chap 2.4](#)

**Type**

UML int

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

**19 MOU**

**Definition**

Memorandum of Understanding

**Type**

Acronym

## Chapter 2.14

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<a href="#">Chap 2.16</a>	Glossary - P
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support

## 1

### NATO

#### Definition

North Atlantic Treaty Organization

#### Type

Acronym

---

## 2 NCAGE

### Definition

NATO Commercial and Government Entity

### Type

Acronym

## 3 NestedAllowedProductConfigurationRelationship

### Definition

NestedAllowedProductConfigurationRelationship is a relationship that defines that one AllowedProductConfiguration (child) is included in a parent AllowedProductConfiguration.

### Reference

AllowedProductConfiguration, refer to [Chap 2.1](#)

### Type

UML relationship stereotype

## 4 NestedProductVariantRelationship

### Definition

NestedProductVariantRelationship is a relationship that defines that one ProductVariant (child) is included in a parent ProductVariant.

### Reference

ProductVariant, refer to [Chap 2.16](#)

### Type

UML relationship stereotype

## 5 nominalValue

### Definition

nominalValue is a decimal number that specifies the single value that is the base value for specifying the range.

### Type

UML double

### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

## 6 NonConformanceData

### Definition

NonConformanceData is an attribute group that defines how a related item does not fully comply with the requirements of its usage.

### Type

UML attributeGroup stereotype

## 7 nonConformanceDescription

### Definition

nonConformanceDescription is a phrase that gives more information on how the related item does not comply with its requirements.

**Type**  
CDM DescriptorType

## 8 nonConformanceRestriction

**Definition**  
nonConformanceRestriction is a phrase that gives more information on how the use of the related item restricts the specified capabilities of the item in which it is contained.

**Type**  
CDM DescriptorType

## 9 nonConformanceType

**Definition**  
nonConformanceType is a classification that identifies in which way the related item does not comply with its requirements.

**Examples**  
– concession (unintentional)  
– waiver (intentional)

**Type**  
CDM ClassificationType

## 10 NOT

**Definition**  
NOT is a LogicalOperator that assigns the inverted value of the ApplicabilityEvaluation to the containing ApplicabilityEvaluationByLogicalOperator.

**References**  
– ApplicabilityEvaluation, refer to [Chap 2.1](#)  
– ApplicabilityEvaluationByLogicalOperator, refer to [Chap 2.1](#)  
– LogicalOperator, refer to [Chap 2.12](#)

**Type**  
UML Class

## 11 NumericalPropertyType

**Definition**  
NumericalPropertyType is a primitive class of PropertyType that is used to represent a physical quantity by its numerical value(s) together with the unit in which the value(s) is given.

**Reference**  
ProductVariant, refer to [Chap 2.16](#)

**Type**  
UML Abstract class

**Source of definition**  
ISO 10303:239 ed.2 Product Life Cycle Support

## Chapter 2.15

### Glossary - O

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<a href="#">Chap 2.12</a>	Glossary - L

#### 1 OASIS

**Definition**

Organization for the Advancement of Structured Information Standards

**Type**

Acronym

#### 2 OEM

**Definition**

Original Equipment Manufacturer

**Type**

Acronym

#### 3 OR

**Definition**

OR is a specialization of LogicalOperator that defines a set of ApplicabilityEvaluation that at least one must be TRUE for the containing ApplicabilityEvaluationByLogicalOperator to be TRUE.

---

**References**

- ApplicabilityEvaluation, refer to [Chap 2.1](#)
- ApplicabilityEvaluationByLogicalOperator, refer to [Chap 2.1](#)
- LogicalOperator, refer to [Chap 2.12](#)

**Type**

UML Class

## 4 **Organization**

**Definition**

Organization is an administrative structure with a particular purpose belonging to a legal entity.

**Examples**

- Company
- Government department
- International agency

**Type**

UML Class

## 5 **organizationIdentifier**

**Definition**

organizationIdentifier is a string of characters that are unique to the issuing Organization which is used to designate an Organization and to differentiate it from other Organizations.

**Reference**

ProductVariant, refer to [Para 4](#)

**Type**

CDM IdentifierType

## 6 **organizationName**

**Definition**

organizationName is a word or phrase by which the Organization is known and can be easily referenced.

**Reference**

ProductVariant, refer to [Para 4](#)

**Type**

CDM DescriptorType

## Chapter 2.16

### Glossary - P

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### References

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Chap No./Document No.	Title
<a href="#">Chap 2.15</a>	Glossary - O
EIA-836	EIA-836 Configuration Management Data Exchange



---

## 1 Part Definition UoF

### Definition

Part Definition UoF provides the capability to define hardware and software parts, their characteristics, and associated parts lists.

### Type

CDM Unit of Functionality

## 2 PartAsDesigned

### Definition

PartAsDesigned is the definitional information which fulfills a set of requirements and can be produced or realized.

### Type

UML Class

## 3 PartAsDesignedPartsList

### Definition

PartAsDesignedPartsList is the collection of contained parts as designed in a given part as designed, typically referred to as a Bill of Materials.

### Type

UML Class

## 4 PartAsDesignedPartsListEntry

### Definition

PartAsDesignedPartsListEntry is a relationship where one PartAsDesigned (child) is a component in a PartAsDesignedPartsList (parent).

### References

- PartAsDesigned, refer to [Para 2](#)
- PartAsDesignedPartsList, refer to [Para 3](#)

### Type

UML relationship stereotype

## 5 partIdentifier

### Definition

partIdentifier is a string of characters that are unique to the issuing Organization that is used to designate a PartAsDesigned and to differentiate it from other PartAsDesigned.

### References

- Organization, refer [Chap 2.15](#)
- PartAsDesigned, refer to [Para 2](#)

### Example

"12345-501" - includes drawing, model, type or source controlling numbers

### Type

CDM IdentifierType

### Source of definition

Portion of definition from EIA-836, Object Identification

## 6 **partName**

### **Definition**

partName is a word or phrase by which the PartAsDesigned is known and can be easily referenced.

### **Reference**

PartAsDesigned, refer to [Para 2](#)

### **Type**

CDM DescriptorType

## 7 **partsListEntryPosition**

### **Definition**

partsListEntryPosition is a string of characters providing a relative position within a PartAsDesignedPartsListEntry.

### **Reference**

PartAsDesignedPartsListEntry, refer to [Para 4](#)

### **Example**

Line Number

### **Type**

UML char

## 8 **partsListRevisionIdentifier**

### **Definition**

partsListRevisionIdentifier is a string of characters that is used to uniquely identify an issue of a PartAsDesignedPartsList of the specified partsListType.

### **References**

- PartAsDesignedPartsList, refer to [Para 3](#)
- partsListType, refer to [Para 9](#)

### **Type**

CDM IdentifierType

## 9 **partsListType**

### **Definition**

partsListType is a characteristic that identifies the context and intended use of the PartAsDesignedPartsList.

### **Reference**

PartAsDesignedPartsList, refer to [Para 3](#)

### **Examples**

- engineeringPartsList
- manufacturingPartsList
- supportPartsList
- provisioningPartsList

### **Type**

CDM ClassificationType

## 10 PLCS

### Definition

Product Life Cycle Support

### Type

Acronym

## 11 Product

### Definition

Product is a family of items sharing the same underlying design purpose.

### Examples

- Airbus A340
- Aegis Class Destroyer
- Stryker
- Ford Fusion
- Pegasus Engine
- iPhone

### Type

UML Class

## 12 Product Design Configuration UoF

### Definition

Product Design Configuration UoF defines the permitted combinations of breakdown elements, hardware and software, in the context of product variants and allowed product configurations.

### Type

CDM Unit of Functionality

## 13 Product and Project UoF

### Definition

Product and Project UoF provides the capability to define the Product(s) and related Project(s) and Contract(s) that are in focus for the ILS program.

### Reference

Contract, refer to [Chap 2.3](#)

Product, refer to [Para 11](#)

Project, refer to [Para 20](#)

### Type

CDM Unit of Functionality

## 14 productIdentifier

### Definition

productIdentifier is a string of characters that is used to uniquely identify a Product and to differentiate it from other Products.

### Reference

Product, refer to [Para 11](#)

### Examples

- endItemAcronymCode,
- modelIdentificationCode

**Type**  
CDM IdentifierType

## 15 **productName**

**Definition**  
productName is a word or phrase by which the Product is known and can be easily referenced.

**Reference**  
Product, refer to [Para 11](#)

**Type**  
CDM DescriptorType

## 16 **ProductVariant**

**Definition**  
ProductVariant is a member of a Product family that is configured for a specific purpose and is offered to customers.

**Reference**  
Product, refer to [Para 11](#)

**Note**  
A ProductVariant is often known as a model.

**Examples**

- Boeing 787-800 versus 787-900
- Ford Fusion S versus SE versus SEL

**Type**  
UML Class

## 17 **productVariantIdentifier**

**Definition**  
productVariantIdentifier is a string of characters that is used to uniquely identify a ProductVariant and to differentiate it from other ProductVariants.

**Reference**  
ProductVariant, refer to [Para 16](#)

**Examples**

- usableOnCode
- system difference code
- model version

**Type**  
CDM IdentifierType

## 18 **ProductVariantItem**

**Definition**  
ProductVariantItem represents the common behavior of those items that can be included in a ProductVariant.

**Reference**  
ProductVariant, refer to [Para 16](#)

**Type**  
UML interface stereotype

## 19 **productVariantName**

**Definition**  
productVariantName is a word or phrase by which the ProductVariant is known and can be easily referenced.

**Reference**  
ProductVariant, refer to [Para 16](#)

**Type**  
CDM DescriptorType

## 20 **Project**

**Definition**  
Project is a defined set of work to be performed to meet a set of requirements.

**Type**  
UML Class

## 21 **projectIdentifier**

**Definition**  
projectIdentifier is a string of characters that is used to uniquely identify a Project and to differentiate it from other Projects.

**Reference**  
Project, refer to [Para 20](#)

**Type**  
CDM IdentifierType

## 22 **projectName**

**Definition**  
projectName is a word or phrase by which the Project is known and can be easily referenced.

**Reference**  
Project, refer to [Para 20](#)

**Type**  
CDM DescriptorType

## 23 **PropertyType**

**Definition**  
PropertyType is a primitive class that is used for representing a measurable characteristic.

**Type**  
UML Abstract class

## Chapter 2.17

### Glossary - Q

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### References

*Table 1 References*

Chap No./Document No.	Title
<a href="#">Chap 2.8</a>	Glossary - H

#### 1      **quantityOfChildElement**

##### Definition

quantityOfChildElement is the amount that a child element is used within its parent element within a parent/child relationship.

##### Note

If no value is given, it is interpreted as value "1" with a unit of "each". For as required amounts, the text property is populated with "As Required" or other text as appropriate.

##### Type

CDM PropertyType

#### 2      **quantityOfContainedSubstance**

##### Definition

quantityOfContainedSubstance is the amount of the substance that is included in HardwarePartAsDesigned.

##### Reference

HardwarePartAsDesigned, refer to [Chap 2.8](#)

##### Type

CDM PropertyType

## Chapter 2.18

### Glossary - R

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3      Remark UoF .....	2
4      RemarkItem .....	2
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#### List of tables

1      References .....	1
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### References

Table 1 References

Chap No./Document No.	Title
None	

#### 1      **referenceDesignator**

##### Definition

referenceDesignator is a string of characters that is used to uniquely identify the location of a child element within a parent element.

##### Note

referenceDesignator can serve as a cross reference between parts contained in wiring diagrams, hydraulic systems, etc, and the Illustrated Parts Data (IPD). Letters, numbers or symbols are used to uniquely identify and locate discrete units, portions thereof and basic parts of a specific component.

##### Type

CDM IdentifierType

#### 2      **Remark**

##### Definition

Remark is a comment, observation, or any text.

##### Type

UML Class

### 3 Remark UoF

**Definition**

Remark UoF provides the capability to attach a comment, observation, or any text to an object of interest.

**Type**

CDM Unit of Functionality

### 4 RemarkItem

**Definition**

RemarkItem represents the common behavior of those items that can have associated Remarks.

**Reference**

Remark, refer to [Para 2](#)

**Type**

UML interface stereotype

### 5 remarkText

**Definition**

remarkText is a phrase that provides the user with additional information that is helpful but does not belong to the immediate subject.

**Type**

CDM DescriptorType

### 6 remarkType

**Definition**

remarkType is a classification that defines the purpose of the Remark.

**Examples**

- comment
- observation
- reminder

**Reference**

Remark, refer to [Para 2](#)

**Type**

CDM ClassificationType



## Chapter 2.19

### Glossary - S

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<a href="#">Chap 2.14</a>	Glossary - N
<a href="#">Chap 2.15</a>	Glossary - O
<a href="#">Chap 2.16</a>	Glossary - P
<a href="#">Chap 2.20</a>	Glossary - T
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support
REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals)	Regulation (EC) No 1907/2006 - Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
CAS (Chemical Abstract Service)	CAS (Chemical Abstract Service)

- 1 second**

**Definition**  
The second element of the DateTimeType is an integer that represents the number of seconds (0-59).

**Reference**  
DateTimeType, refer to [Chap 2.4](#)

**Type**  
UML int

**Source of definition**  
ISO 10303:239 ed.2 Product Life Cycle Support
- 2 Security Classification UoF**

**Definition**  
Security Classification UoF provides the capability to assign security classifications to objects that need special handling for protection against unauthorized access or distribution.

**Type**  
CDM Unit of Functionality
- 3 SecurityClass**

**Definition**  
SecurityClass is a level of confidentiality that can be used to protect something against unauthorized access.

**Type**  
UML Class

## 4 securityClass

### Definition

securityClass is a classification that defines the level of confidentiality.

### Examples

- unclassified
- restricted
- confidential
- secret
- topSecret
- companyConfidential

### Type

CDM ClassificationType

## 5 SecurityClassification

### Definition

SecurityClassification is a relationship between a SecurityClass and those items (class instances) that can be classified.

### Reference

SecurityClass, refer to [Para 3](#)

### Type

UML relationship stereotype

## 6 SecurityClassificationItem

### Definition

SecurityClassificationItem represents the common behavior of those items (class instances) that can be classified.

### Type

UML interface stereotype

## 7 sense

### Definition

The sense element of TimeOffset represents the direction of the offset.

### Reference

TimeOffset, refer to [Chap 2.20](#)

### Type

UML char

### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

## 8 SerialNumberApplicabilityItem

### Definition

SerialNumberApplicabilityItem represents the common behavior of those items (class instances) that can have a limited applicability to block(s) of serialized items.

### Type

UML interface stereotype

---

## 9      **SerialNumberRange**

### **Definition**

SerialNumberRange is an interval of serialized items that can be open-ended.

### **Type**

UML compoundAttribute stereotype

## 10     **SingleValuePropertyType**

### **Definition**

The SingleValuePropertyType is a primitive class of NumericalPropertyType that specifies a single value and its unit.

### **Reference**

NumericalPropertyType, refer to [Chap 2.14](#)

### **Type**

UML primitive stereotype

### **Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

## 11     **Software Element UoF**

### **Definition**

Software Element UoF provides the capability to specify that an element within a breakdown is software and can be associated with the software part(s) that fulfill the requirement.

### **Type**

CDM Unit of Functionality

## 12     **SoftwareElement**

### **Definition**

SoftwareElement is a BreakdownElement representing a specification that is realized as a SoftwarePartAsDesigned.

### **References**

- BreakdownElement, refer to [Chap 2.2](#)
- SoftwarePartAsDesigned, refer to [Para 18](#)

### **Type**

UML Class

## 13     **softwareElementModificationFrequency**

### **Definition**

softwareElementModificationFrequency is a support characteristic defining the expected frequency that the SoftwarePartAsDesigned will be modified.

### **Reference**

SoftwarePartAsDesigned, refer to [Para 18](#)

### **Examples**

- 3 months
- 5 years

### **Type**

CDM PropertyType

---

## 14 SoftwareElementPartRealization

### Definition

SoftwareElementPartRealization is a relationship between an instance of SoftwareElementRevision and the SoftwarePartAsDesigned that fulfills the software element specification.

### References

- SoftwareElementRevision, refer to [Para 15](#)
- SoftwarePartAsDesigned, refer to [Para 18](#)

### Type

UML relationship stereotype

## 15 SoftwareElementRevision

### Definition

SoftwareElementRevision is an issue of a SoftwareElement.

### Reference

SoftwareElement, refer to [Para 12](#)

### Type

UML Class

## 16 softwareElementSize

### Definition

softwareElementSize is a design characteristic that defines the expected size of the SoftwarePartAsDesigned for this particular SoftwareElementRevision.

### References

- SoftwareElementRevision, refer to [Para 15](#)
- SoftwarePartAsDesigned, refer to [Para 18](#)

### Examples

- 800 kbytes - contracted
- 23.5 Mbytes - executable
- 10,000 lines of code - estimated

### Type

CDM PropertyType

## 17 softwareElementType

### Definition

softwareElementType is a design classification that identifies further specialization of a SoftwareElement.

### Reference

SoftwareElement, refer to [Para 12](#)

### Examples

- loadable
- distributed
- embedded

### Type

CDM ClassificationType

---

## 18 SoftwarePartAsDesigned

### Definition

SoftwarePartAsDesigned is a PartAsDesigned that is realized as executable software or as data files.

### Reference

PartAsDesigned, refer to [Chap 2.16](#)

### Type

UML Class

## 19 SubstanceDefinition

### Definition

SubstanceDefinition is the identification of high concern physical matter.

### References

- REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals)
- CAS (Chemical Abstract Service)

### Type

UML Class

## 20 substancelIdentifier

### Definition

substancelIdentifier is a string of characters, unique to the issuing Organization that is used to designate the substance and to differentiate them from other similar substance items.

### Reference

Organization, refer to [Chap 2.15](#)

### Type

CDM IdentifierType

## 21 substanceName

### Definition

substanceName is a word or phrase by which a substance is known and can be easily referenced.

### Type

CDM DescriptorType

## 22 SubstitutePartAsDesignedRelationship

### Definition

SubstitutePartAsDesignedRelationship is an interchangeability relationship where one PartAsDesigned (substitutePartsListEntry) can replace another PartAsDesigned (basePartsListEntry) in a specific use, is context dependent, and is not form, fit and function equivalent.

### Reference

PartAsDesigned, refer to [Chap 2.16](#)

### Type

UML relationship stereotype

## Chapter 2.20

### Glossary - T

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### References

Table 1 References

Chap No./Document No.	Title
<a href="#">Chap 2.16</a>	Glossary - P
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support

## 1      TextPropertyType

#### Definition

TextPropertyType is a primitive class of PropertyType that is used to represent a physical quantity as a string.

#### Reference

PropertyType, refer to [Chap 2.16](#)

#### Type

UML primitive stereotype

#### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

## 2      textValue

#### Definition

textValue is the string that is the element of representation.

#### Type

UML char

#### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support



---

### 3 TimeOffset

**Definition**

TimeOffset is an oriented offset from Coordinated Universal Time (UTC).

**Type**

UML attributeGroup stereotype

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support



## Chapter 2.21

### Glossary - U

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### References

Table 1 References

Chap No./Document No.	Title
<a href="#">Chap 2.22</a>	Glossary - V
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support

#### 1 UML

##### Definition

Unified Modeling Language

##### Type

Acronym

#### 2 unit

##### Definition

unit is the unit of measure with which the quantity is expressed.

##### Type

CDM ClassificationType

##### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

---

**3 UoF**

**Definition**

Unit of Functionality

**Type**

Acronym

**4 upperBound**

**Definition**

upperBound is a characteristic that represents the last valid serial number.

**Note**

If the value for upperBound is not specified, the range has no upper bound.

**Type**

UML char

**5 upperLimitValue**

**Definition**

upperLimitValue is a decimal number that is the upper limit of a ValueRangePropertyType.

**Reference**

ValueRangePropertyType, refer to [Chap 2.22](#)

**Type**

UML double

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

**6 upperOffsetValue**

**Definition**

upperOffsetValue is the upper limit defined as the upper offset value from the single value (value + upper offset value).

**Type**

UML double

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

## Chapter 2.22

### Glossary - V

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### References

Table 1 References

Chap No./Document No.	Title
<a href="#">Chap 2.14</a>	Glossary - N
<a href="#">Chap 2.16</a>	Glossary - P
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support

#### 1 value

##### Definition

value is the quantity of a PropertyType.

##### Reference

PropertyType, refer to [Chap 2.16](#)

##### Type

UML double

#### 2 valueDetermination

##### Definition

valueDetermination is the method by which the value of the PropertyType has been determined.

##### References

- PropertyType, refer to [Chap 2.16](#)
- value, refer to [Para 1](#)

---

**Examples**

- calculated: the value has been calculated
- designed: the value represents a value intended by the design
- estimated: the value has been estimated
- measured: the value has been measured
- setPoint: the value is used as an initialization value

**Type**

CDM ClassificationType

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

### 3 ValueRangePropertyType

**Definition**

ValueRangePropertyType is a primitive class of NumericalPropertyType that specifies a pair of numbers representing the range that constrains the value.

**Reference**

NumericalPropertyType, refer to [Chap 2.14](#)

**Type**

UML primitive stereotype

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

### 4 valueRecordingDate

**Definition**

valueRecordingDate is the date when the PropertyType value was recorded.

**Reference**

PropertyType, refer to [Chap 2.16](#)

**Type**

CDM DateType

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

### 5 ValueWithTolerancesPropertyType

**Definition**

ValueWithTolerancesPropertyType is a primitive class of NumericalPropertyType that specifies a range of values by specifying a single nominal value and two tolerances that are offsets from the single value.

**Reference**

NumericalPropertyType, refer to [Chap 2.14](#)

**Type**

UML primitive stereotype

**Source of definition**

ISO 10303:239 ed.2 Product Life Cycle Support

## Chapter 2.23

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### References

*Table 1 References*

Chap No./Document No.	Title
None	

#### 1      **No glossary entries**

No glossary entries begin with the letter W.

## Chapter 2.24

### Glossary - X

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### References

Table 1 References

Chap No./Document No.	Title
<a href="#">Chap 2.1</a>	Glossary - A
<a href="#">Chap 2.12</a>	Glossary - L

## 1 XOR

#### Definition

XOR is a specialization of LogicalOperator that defines two ApplicabilityEvaluation that one and only one must be TRUE for the containing ApplicabilityEvaluationByLogicalOperator to be TRUE.

#### References

- ApplicabilityEvaluation, refer to [Chap 2.1](#)
- ApplicabilityEvaluationByLogicalOperator, refer to [Chap 2.1](#)
- LogicalOperator, refer to [Chap 2.12](#)

#### Type

UML Class

## Chapter 2.25

### Glossary - Y

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### References

*Table 1 References*

Chap No./Document No.	Title
<a href="#">Chap 2.4</a>	Glossary - D
ISO 10303:239 ed.2 Product Life Cycle Support	ISO 10303:239 ed.2 Product Life Cycle Support

## 1      yearComponent

#### Definition

yearComponent is the year element of the DateType expressed as an integer value between 1 and 9999.

#### Reference

DateType, refer to [Chap 2.4](#)

#### Type

UML int

#### Source of definition

ISO 10303:239 ed.2 Product Life Cycle Support

## Chapter 2.26

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### References

Table 1 References

Chap No./Document No.	Title
<a href="#">Chap 2.2</a>	Glossary - B
<a href="#">Chap 2.16</a>	Glossary - P

## 1 Zone Element UoF

#### Definition

Zone Element UoF specifies that an element within a Breakdown is a zone.

#### Reference

ProductVariant, refer to [Chap 2.2](#)

#### Type

CDM Unit of Functionality

## 2 ZoneElement

#### Definition

ZoneElement is a BreakdownElement that represents a 3 dimensional space within a Product.

#### References

- BreakdownElement, refer to [Chap 2.2](#)
- Product, refer to [Chap 2.16](#)

#### Example

A work area, such as a mechanical workshop onboard a ship.

#### Type

UML Class





---

### 3 **ZoneElementRevision**

**Definition**

ZoneElementRevision is an issue of a ZoneElement.

**Reference**

ZoneElement, refer to [Para 2](#)

**Type**

UML Class

### 4 **zoneElementType**

**Definition**

zoneElementType is a classification that identifies further specialization of a ZoneElement.

**Reference**

ZoneElement, refer to [Para 2](#)

**Examples**

- zone
- workArea

**Type**

CDM ClassificationType

## Chapter 2.27

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1      No glossary entries.....	1

#### List of tables

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### References

*Table 1 References*

Chap No./Document No.	Title
None	

#### 1      **No glossary entries**

No glossary entries begin with the numbers 0-9.