

Interface Operation

All Known Implementing Classes:

DefaultOperation

```
@UML(identifier="MI_Operation",  
      specification=ISO_19115_2)  
public interface Operation
```

Designations for the operation used to acquire the dataset.

Since:

2.3

Method Summary

All Methods	Instance Methods	Abstract Methods
Modifier and Type	Method	Description
Collection [↗] <? extends Operation>	getChildOperations()	Sub-missions that make up part of a larger mission.
Citation	getCitation()	Identification of the mission.
InternationalString	getDescription()	Description of the mission on which the platform observations are made and the objectives of that mission.
Identifier	getIdentifier()	Unique identification of the operation.
Collection [↗] <? extends Objective>	getObjectives()	Object(s) or area(s) of interest to be sensed.
Operation	getParentOperation()	Heritage of the operation.
Plan	getPlan()	Plan satisfied by the operation.
Collection [↗] <? extends Platform>	getPlatforms()	Platform (or platforms) used in the operation.
Collection [↗] <? extends Event>	getSignificantEvents()	Record of an event occurring during an operation.

Progress	<code>getStatus()</code>	Status of the data acquisition.
OperationType	<code>getType()</code>	Collection technique for the operation.

Method Details

getDescription

```
@UML(identifier="description",
      obligation=OPTIONAL,
      specification=ISO_19115_2)
InternationalString getDescription()
```

Description of the mission on which the platform observations are made and the objectives of that mission.

Returns:

Description of the mission.

getCitation

```
@UML(identifier="citation",
      obligation=OPTIONAL,
      specification=ISO_19115_2)
Citation getCitation()
```

Identification of the mission.

Returns:

Identification of the mission.

getIdentifier

```
@UML(identifier="identifier",
      obligation=MANDATORY,
      specification=ISO_19115_2)
Identifier getIdentifier()
```

Unique identification of the operation.

Returns:

Unique identification of the operation.

getStatus

```
@UML(identifier="status",  
      obligation=MANDATORY,  
      specification=ISO_19115_2)  
Progress getStatus()
```

Status of the data acquisition.

Returns:

Status of the data acquisition.

getType

```
@UML(identifier="type",  
      obligation=OPTIONAL,  
      specification=ISO_19115_2)  
OperationType getType()
```

Collection technique for the operation.

Returns:

Collection technique for the operation.

getChildOperations

```
@UML(identifier="childOperation",  
      obligation=OPTIONAL,  
      specification=ISO_19115_2)  
Collection<? extends Operation> getChildOperations()
```

Sub-missions that make up part of a larger mission.

Returns:

Sub-missions.

getObjectives

```
@UML(identifier="objective",  
      obligation=OPTIONAL,  
      specification=ISO_19115_2)  
Collection<? extends Objective> getObjectives()
```

Object(s) or area(s) of interest to be sensed.

Returns:

Object(s) or area(s) of interest.

getParentOperation

```
@UML(identifier="parentOperation",  
      obligation=MANDATORY,  
      specification=ISO_19115_2)  
Operation getParentOperation()
```

Heritage of the operation.

Returns:

Heritage of the operation.

getPlan

```
@UML(identifier="plan",  
      obligation=OPTIONAL,  
      specification=ISO_19115_2)  
Plan getPlan()
```

Plan satisfied by the operation.

Returns:

Plan satisfied by the operation.

getPlatforms

```
@UML(identifier="platform",  
      obligation=OPTIONAL,  
      specification=ISO_19115_2)  
Collection<? extends Platform> getPlatforms()
```

Platform (or platforms) used in the operation.

Returns:

Platforms used in the operation.

getSignificantEvents

```
@UML(identifier="significantEvent",  
      obligation=OPTIONAL,  
      specification=ISO_19115_2)  
Collection<? extends Event> getSignificantEvents()
```

Record of an event occurring during an operation.

Returns:

Record of an event occurring during an operation.