

Class DefaultPlan

Object[☞]

AbstractMetadata

ModifiableMetadata

ISOMetadata

DefaultPlan

All Implemented Interfaces:

Serializable[☞], Emptyable, LenientComparable, IdentifiedObject, Plan

```
public class DefaultPlan
extends ISOMetadata
implements Plan
```

Designations for the planning information related to meeting the data acquisition requirements. The following properties are mandatory in a well-formed metadata according ISO 19115:

MI Plan	
├ status.....	Current status of the plan (pending, completed, etc.)
└ citation.....	Identification of authority requesting target collection.
├ title.....	Name by which the cited resource is known.
└ date.....	Reference date for the cited resource.

Limitations

- Instances of this class are not synchronized for multi-threading. Synchronization, if needed, is caller's responsibility.
- Serialized objects of this class are not guaranteed to be compatible with future Apache SIS releases. Serialization support is appropriate for short term storage or RMI between applications running the same version of Apache SIS. For long term storage, use [XML](#) instead.

Since:

0.3

See Also:

[Serialized Form](#)

Nested Class Summary

Nested classes/interfaces inherited from class [ModifiableMetadata](#)

[ModifiableMetadata.State](#)

Field Summary

Fields inherited from class **ISOMetadata**

identifiers

Constructor Summary

Constructors

Constructor	Description
DefaultPlan ()	Constructs an initially empty plan.
DefaultPlan (Plan object)	Constructs a new instance initialized with the values from the specified metadata object.

Method Summary

All Methods

Static Methods

Instance Methods

Concrete Methods

Modifier and Type	Method	Description
static DefaultPlan	castOrCopy (Plan object)	Returns a SIS metadata implementation with the values of the given arbitrary implementation.
Citation	getCitation ()	Returns the identification of authority requesting target collection.
Collection [↗] <Operation>	getOperations ()	Returns the identification of the activity or activities that satisfy a plan.
Collection [↗] <Requirement>	getSatisfiedRequirements ()	Returns the requirement satisfied by the plan.
Progress	getStatus ()	Returns the current status of the plan (pending, completed, etc.)
GeometryType	getType ()	Returns the manner of sampling geometry that the planner expects for collection of objective data.

void	setCitation (Citation new-Value)	Sets the identification of authority requesting target collection.
void	setOperations (Collection [↗] ? extends Operation> new-Values)	Sets the identification of the activity or activities that satisfy a plan.
void	setSatisfiedRequirements (Collection [↗] ? extends Requirement> newValues)	Sets the requirement satisfied by the plan.
void	setStatus (Progress new-Value)	Sets the current status of the plan (pending, completed, etc.)
void	setType (GeometryType new-Value)	Sets the manner of sampling geometry that the planner expects for collection of objective data.

Methods inherited from class **ISOMetadata**

getIdentifier, getIdentifierMap, getIdentifiers, getStandard, setIdentifier

Methods inherited from class **ModifiableMetadata**

checkWritePermission, copyCollection, copyList, copyMap, copySet, deepCopy, non-NullCollection, nonNullList, nonNullMap, nonNullSet, singleton, state, write-Collection, writeList, writeMap, writeSet

Methods inherited from class **AbstractMetadata**

asMap, asTreeTable, clone, equals, equals, getInterface, hashCode, isEmpty, nil-Reasons, prune, toString

Methods inherited from class **Object**[↗]

finalize[↗], getClass[↗], notify[↗], notifyAll[↗], wait[↗], wait[↗], wait[↗]

Constructor Details

DefaultPlan

```
public DefaultPlan()
```

Constructs an initially empty plan.

DefaultPlan

```
public DefaultPlan(Plan object)
```

Constructs a new instance initialized with the values from the specified metadata object. This is a *shallow* copy constructor, because the other metadata contained in the given object are not recursively copied.

Parameters:

object - the metadata to copy values from, or null if none.

See Also:

[castOrCopy\(\[Plan\]\(#\)\)](#)

Method Details

castOrCopy

```
public static DefaultPlan castOrCopy(Plan object)
```

Returns a SIS metadata implementation with the values of the given arbitrary implementation. This method performs the first applicable action in the following choices:

- If the given object is null, then this method returns null.
- Otherwise if the given object is already an instance of `DefaultPlan`, then it is returned unchanged.
- Otherwise a new `DefaultPlan` instance is created using the [copy constructor](#) and returned. Note that this is a *shallow* copy operation, because the other metadata contained in the given object are not recursively copied.

Parameters:

object - the object to get as a SIS implementation, or null if none.

Returns:

a SIS implementation containing the values of the given object (may be the given object itself), or null if the argument was null.

getType

```
public GeometryType getType()
```

Returns the manner of sampling geometry that the planner expects for collection of objective data. null if unspecified.

Specified by:

[getType](#) in interface [Plan](#)

Returns:

manner of sampling geometry, or null.

setType

```
public void setType(GeometryType newValue)
```

Sets the manner of sampling geometry that the planner expects for collection of objective data.

Parameters:

newValue - the new type value.

getStatus

```
public Progress getStatus()
```

Returns the current status of the plan (pending, completed, etc.)

Specified by:

[getStatus](#) in interface [Plan](#)

Returns:

current status of the plan, or null.

setStatus

```
public void setStatus(Progress newValue)
```

Sets the current status of the plan (pending, completed, etc.)

Parameters:

newValue - the new status value.

getCitation

```
public Citation getCitation()
```

Returns the identification of authority requesting target collection.

Specified by:

[getCitation](#) in interface [Plan](#)

Returns:

identification of authority requesting target collection, or null.

setCitation

```
public void setCitation(Citation newValue)
```

Sets the identification of authority requesting target collection.

Parameters:

newValue - the new citation value.

getOperations

```
public Collection<Operation> getOperations()
```

Returns the identification of the activity or activities that satisfy a plan.

Specified by:

[getOperations](#) in interface [Plan](#)

Returns:

identification of the activity or activities.

setOperations

```
public void setOperations(Collection<? extends Operation> newValues)
```

Sets the identification of the activity or activities that satisfy a plan.

Parameters:

newValues - the new identifications of the activity.

getSatisfiedRequirements

```
public Collection<Requirement> getSatisfiedRequirements()
```

Returns the requirement satisfied by the plan.

Specified by:

[getSatisfiedRequirements](#) in interface [Plan](#)

Returns:

requirement satisfied by the plan.

setSatisfiedRequirements

```
public void setSatisfiedRequirements  
(Collection<? extends Requirement> newValues)
```

Sets the requirement satisfied by the plan.

Parameters:

newValues - the new satisfied requirements.