

CaisToNodeCore Root Namespace

Namespaces

<u>CaisToNodeCore.Contracts</u>	Interfaces for CaisToNode objects.
<u>CaisToNodeCore.Helpers</u>	CaisToNode helper objects.
<u>CaisToNodeCore.Models</u>	CaisToNode model objects.
<u>CaisToNodeCore.Services</u>	CaisToNode service objects.

CaisToNodeCore.Contracts Namespaces

Interfaces for CaisToNode objects.

Namespaces

CaisToNodeCore.Contracts.Helpers	Interfaces for CaisToNode helper objects.
CaisToNodeCore.Contracts.Models	Interfaces for CaisToNode model objects.
CaisToNodeCore.Contracts.Services	Interfaces for CaisToNode service objects.

[CaisToNodeCore.Contracts.Helpers Namespace](#)

Interfaces for CaisToNode helper objects.

Interfaces

[IEpaldsToCais](#)

Updates CAIS back end EPA ID fields based upon snapshot.

[IEpaldsToCais Interface](#)

Updates CAIS back end EPA ID fields based upon snapshot.

Definition

Namespace: [CaisToNodeCore.Contracts.Helpers](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IEpaIdsToCais
```

Methods

UpdateBackendEpaldsAsync	Updates SQL Server plant records to reflect EIS IDs as found in an EIS snapshot.
--	--

See Also

Reference

[CaisToNodeCore.Contracts.Helpers Namespace](#)

[IEpaldsToCais.UpdateBackendEpaldsAsync Method](#)

Updates SQL Server plant records to reflect EIS IDs as found in an EIS snapshot.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Helpers](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task<int> UpdateBackendEpaIdsAsync(  
    string connectionString,  
    Snapshot snapshot  
)
```

Parameters

connectionString [String](#)

Connection string to access back end.

snapshot [Snapshot](#)

EIS Snapshot.

Return Value

[Task\(Int32\)](#)

Async Task for the update process, eventually the number of rows affected.

[See Also](#)

Reference

[IEpaldsToCais Interface](#)

[CaisToNodeCore.Contracts.Helpers Namespace](#)

CaisToNodeCore.Contracts.Models Namespace

Interfaces for CaisToNode model objects.

Interfaces

ICaisManager	Contains and populates data downloaded from CAIS.
IEmissionsProcessProcessor	ETL for Facility inventory emissions process level.
IEmissionsUnitProcessor	ETL for Facility inventory emissions unit level.
IFacilitySiteProcessor	ETL for Facility inventory Facility Site level.
INodeManager	Handles operations involving the Node back end and Facade.
IPointEmissionsProcessor	ETL for point emissions extraction.
IProcessPollutantAndControlsProcessor	ETL for ProcessPollutantAndControlsProcessor and its children: SiteControlIdentification and SiteControlPollutant.
IReleasePointProcessor	ETL For facility inventory release point (stack) records.
ISnapshotManager	Contains and manages EIS Snapshot object.

ICaisManager Interface

Contains and populates data downloaded from CAIS.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#
<pre>public interface ICaisManager</pre>

Properties

ExcludedNonPointFacilities	Gets list of Agency facility IDs to be excluded.
Facade	Gets object containing data downloaded from CAIS.
IncludedFacilities	Gets list of Agency facility IDs to be included.

Methods

FetchEmissionsProcessAsync	Retrieves EmissionsProcessProcessor data from CAIS and stores to the facade.
FetchEmissionsUnitAsync	Retrieves EmissionsUnit (point) data from CAIS and stores to the facade.
FetchFacilitySiteAsync	Retrieves FacilitySite data from CAIS and stores to the facade.
FetchProcessPollutantAsync	Retrieves process pollutant (and control) data from CAIS and stores to the facade.
FetchReleasePointAsync	Retrieves ReleasePoint (stack) data from CAIS and stores to the facade.
LoadPlantIdListsFromXlsx(List<String>, String, String, String, Int32)	Populates a facility agency ID list from an Excel spreadsheet.
LoadPlantIdListsFromXlsx(List<String>, String, String, String, String, Int32)	Populates a facility agency ID list from an Excel spreadsheet.

See Also

[Reference](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ICaisManager.ExcludedNonPointFacilities Property](#)

Gets list of Agency facility IDs to be excluded.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<string> ExcludedNonPointFacilities { get; }
```

Property Value

List(String)

[Remarks](#)

Plants not included in extraction. Typically these would be plants covered in non-point submittal.

[See Also](#)

[Reference](#)

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ICaisManager.Facade Property](#)

Gets object containing data downloaded from CAIS.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
CaisFacade Facade { get; }
```

Property Value

[CaisFacade](#)

[See Also](#)

[Reference](#)

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ICaisManager.IncludedFacilities Property](#)

Gets list of Agency facility IDs to be included.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<string> IncludedFacilities { get; }
```

Property Value

List(String)

[Remarks](#)

If populated, extraction will be limited to those plants on the list.

[See Also](#)

[Reference](#)

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ICaisManager.FetchEmissionsProcessAsync Method](#)

Retrieves EmissionsProcessProcessor data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task FetchEmissionsProcessAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

[See Also](#)

Reference

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ICaisManager.FetchEmissionsUnitAsync Method](#)

Retrieves EmissionsUnit (point) data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task FetchEmissionsUnitAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

[See Also](#)

[Reference](#)

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ICaisManager.FetchFacilitySiteAsync Method](#)

Retrieves FacilitySite data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task FetchFacilitySiteAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

[See Also](#)

Reference

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ICaisManager.FetchProcessPollutantAsync Method](#)

Retrieves process pollutant (and control) data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task FetchProcessPollutantAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

[See Also](#)

Reference

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ICaisManager.FetchReleasePointAsync Method](#)

Retrieves ReleasePoint (stack) data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task FetchReleasePointAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

[See Also](#)

Reference

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

ICaisManager.LoadPlantIdListsFromXlsx(List<String>, String, String, String, Int32) Method

Populates a facility agency ID list from an Excel spreadsheet.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void LoadPlantIdListsFromXlsx(  
    List<string> idList,  
    string xlsxFileName,  
    string worksheet,  
    string facilityIdColumn,  
    int firstRow  
)
```

Parameters

idList **List(String)**

The list to be populated.

xlsxFileName **String**

Full path to xlsx file containing IDs.

worksheet **String**

The name of the worksheet tab containing IDs.

facilityIdColumn **String**

The spreadsheet column containing the Plant IDs.

firstRow **Int32**

The first row containing ID data.

Remarks

The identifier must be the full ID including the county part.

See Also

Reference

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

ICaisManager.LoadPlantIdListsFromXlsx(List<String>, String, String, String, Int32) Method

Populates a facility agency ID list from an Excel spreadsheet.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void LoadPlantIdListsFromXlsx(  
    List<string> idList,  
    string xlsxFileName,  
    string worksheet,  
    string countyIdColumn,  
    string plantIdColumn,  
    int firstRow  
)
```

Parameters

idList **List(String)**

The list to be populated.

xlsxFileName **String**

Full path to xlsx file containing IDs.

worksheet **String**

The name of the worksheet tab containing IDs.

countyIdColumn **String**

The spreadsheet column containing the county FIPS IDs.

plantIdColumn **String**

The spreadsheet column containing the Plant IDs.

firstRow **Int32**

The first row containing ID data.

Remarks

If the county ID column is null, blank, or the same as the plantIdColumn the plant ID will be assumed to be the full ID including the county part.

See Also

Reference

[ICaisManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

IEmissionsProcessProcessor Interface

ETL for Facility inventory emissions process level.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IEmissionsProcessProcessor
```

Methods

ProcessProcesses	Processes emissions process level records for the FacilitySite inventory type.
----------------------------------	--

See Also

Reference

[CaisToNodeCore.Contracts.Models Namespace](#)

IEmissionsProcessProcessor.ProcessProcesses Method

Processes emissions process level records for the FacilitySite inventory type.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void ProcessProcesses()
```

See Also

Reference

[IEmmissionsProcessProcessor Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

IEmissionsUnitProcessor Interface

ETL for Facility inventory emissions unit level.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IEmissionsUnitProcessor
```

Methods

[ProcessUnits](#)

Processes emissions unit level records for the FacilitySite inventory type.

See Also

Reference

[CaisToNodeCore.Contracts.Models Namespace](#)

IEmissionsUnitProcessor.ProcessUnits Method

Processes emissions unit level records for the FacilitySite inventory type.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void ProcessUnits()
```

See Also

Reference

[IEmmissionsUnitProcessor Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

IFacilitySiteProcessor Interface

ETL for Facility inventory Facility Site level.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IFacilitySiteProcessor
```

Methods

[ProcessFacilities](#)

Processes Facility level records for the FacilitySiteProcessor inventory type.

See Also

Reference

[CaisToNodeCore.Contracts.Models Namespace](#)

[IFacilitySiteProcessor.ProcessFacilities Method](#)

Processes Facility level records for the FacilitySiteProcessor inventory type.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void ProcessFacilities()
```

[See Also](#)

Reference

[IFacilitySiteProcessor Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

INodeManager Interface

Handles operations involving the Node back end and Facade.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface INodeManager
```

Properties

Facade	Gets an object with lists representing the node staging tables.
------------------------	---

Methods

GenerateCersRecord	Generates the Node CERS record.
PopulateNodeAsync	Populates node staging tables with data from the Facade object.
PurgeNodeForYearAsync	Deletes all node data for year (from settings) and category.

See Also

Reference

[CaisToNodeCore.Contracts.Models Namespace](#)

[INodeManager.Facade Property](#)

Gets an object with lists representing the node staging tables.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
NodeFacade Facade { get; }
```

Property Value

[NodeFacade](#)

[See Also](#)

[Reference](#)

[INodeManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[INodeManager.GenerateCersRecord](#) Method

Generates the Node CERS record.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string GenerateCersRecord(  
    DataCategory category,  
    string submittalComment  
)
```

Parameters

category [DataCategory](#)

Data category.

submittalComment [String](#)

Submittal comment (255 char max).

Return Value

String

The CERS ID (Node Key) for that category.

See Also

Reference

[INodeManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[INodeManager.PopulateNodeAsync Method](#)

Populates node staging tables with data from the Facade object.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task PopulateNodeAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

[See Also](#)

Reference

[INodeManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

INodeManager.PurgeNodeForYearAsync Method

Deletes all node data for year (from settings) and category.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task PurgeNodeForYearAsync(  
    DataCategory category  
)
```

Parameters

category [DataCategory](#)

Data category to be removed.

Return Value

Task

A **Task** representing the asynchronous operation.

Remarks

Deletes the corresponding CERS records, relies on the node's RE rules to delete children.

See Also

Reference

[INodeManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

IPointEmissionsProcessor Interface

ETL for point emissions extraction.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IPointEmissionsProcessor
```

Methods

[ProcessEmissions](#)

Processes emission records for the point emissions inventory type.

See Also

Reference

[CaisToNodeCore.Contracts.Models Namespace](#)

[IPointEmissionsProcessor.ProcessEmissions Method](#)

Processes emission records for the point emissions inventory type.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void ProcessEmissions()
```

[See Also](#)

Reference

[IPointEmissionsProcessor Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

IProcessPollutantAndControlsProcessor Interface

ETL for ProcessPollutantAndControlsProcessor and its children: SiteControlIdentification and SiteControlPollutant.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IProcessPollutantAndControlsProcessor
```

Remarks

The CAIS control definitions exist at the process-pollutant level. Each processes controls are mapped to the facility level individually for CERS V2. This will likely result in multiple records representing a single piece of control equipment shared between multiple processes since CAIS does not capture this level of detail.

Methods

ProcessControls	Extracts Control and path information from process pollutant records.
---------------------------------	---

See Also

Reference

[CaisToNodeCore.Contracts.Models Namespace](#)

IProcessPollutantAndControlsProcessor.ProcessControls Method

Extracts Control and path information from process pollutant records.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void ProcessControls()
```

See Also

Reference

[IProcessPollutantAndControlsProcessor Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

IReleasePointProcessor Interface

ETL For facility inventory release point (stack) records.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IReleasePointProcessor
```

Methods

ProcessReleasePoints	Processes release point level records for the FacilitySite inventory type.
--------------------------------------	--

See Also

Reference

[CaisToNodeCore.Contracts.Models Namespace](#)

[IReleasePointProcessor.ProcessReleasePoints Method](#)

Processes release point level records for the FacilitySite inventory type.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void ProcessReleasePoints()
```

See Also

Reference

[IReleasePointProcessor Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

ISnapshotManager Interface

Contains and manages EIS Snapshot object.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface ISnapshotManager
```

Properties

Snapshot	Gets an object containing EIS Snapshot data downloaded from EPA.
ValidControlMeasureCodes	Gets a list of valid control measure codes.
ValidNaicsCodes	Gets a list of valid NAICS codes.
ValidSccCodes	Gets a list of valid SIC codes.
ValidUnitTypeCodes	Gets a list of valid NAICS codes.

Methods

LoadValidControlMeasureCodes	Populates ValidControlMeasureCodes from a CSV file.
LoadValidNaicsCodes	Populates ValidNaicsCodes from a CSV file.
LoadValidSccCodes	Populates ValidSccCodes from a CSV file.
LoadValidUnitTypeCodes	Populates ValidUnitTypeCodes from a CSV file.
LoadXmlAsync	Populates Snapshot with data from EPA XML.

See Also

Reference

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.Snapshot Property](#)

Gets an object containing EIS Snapshot data downloaded from EPA.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Snapshot Snapshot { get; }
```

Property Value

[Snapshot](#)

[See Also](#)

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.ValidControlMeasureCodes Property](#)

Gets a list of valid control measure codes.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<string> ValidControlMeasureCodes { get; }
```

Property Value

List(String)

[See Also](#)

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.ValidNaicsCodes Property](#)

Gets a list of valid NAICS codes.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<string> ValidNaicsCodes { get; }
```

Property Value

[List\(String\)](#)

[See Also](#)

[Reference](#)

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.ValidSccCodes Property](#)

Gets a list of valid NAICS codes.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<string> ValidSccCodes { get; }
```

Property Value

List(String)

[See Also](#)

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.ValidUnitTypeCodes Property](#)

Gets a list of valid NAICS codes.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<string> ValidUnitTypeCodes { get; }
```

Property Value

List(String)

[See Also](#)

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.LoadValidControlMeasureCodes](#) Method

Populates ValidControlMeasureCodes from a CSV file.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void LoadValidControlMeasureCodes(  
    string csvFile  
)
```

Parameters

csvFile **String**

The file containing lookup data in CSV format.

See Also

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.LoadValidNaicsCodes](#) Method

Populates ValidNaicsCodes from a CSV file.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void LoadValidNaicsCodes(  
    string csvFile  
)
```

Parameters

csvFile **String**

The file containing lookup data in CSV format.

See Also

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.LoadValidSccCodes](#) Method

Populates ValidSccCodes from a CSV file.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void LoadValidSccCodes(  
    string csvFile  
)
```

Parameters

csvFile **String**

The file containing lookup data in CSV format.

See Also

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.LoadValidUnitTypeCodes](#) Method

Populates ValidUnitTypeCodes from a CSV file.

Definition

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void LoadValidUnitTypeCodes(  
    string csvFile  
)
```

Parameters

csvFile **String**

The file containing lookup data in CSV format.

See Also

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[ISnapshotManager.LoadXmlAsync Method](#)

Populates Snapshot with data from EPA XML.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task LoadXmlAsync(  
    string xmlFile  
)
```

Parameters

xmlFile String

File containing XML data.

Return Value

Task

A **Task** representing the asynchronous operation.

[See Also](#)

Reference

[ISnapshotManager Interface](#)

[CaisToNodeCore.Contracts.Models Namespace](#)

[CaisToNodeCore.Contracts.Services Namespaces](#)

Interfaces for CaisToNode service objects.

Namespaces

CaisToNodeCore.Contracts.Services	Interfaces for CaisToNode service objects.
CaisToNodeCore.Contracts.Services.SettingsManager	Interfaces for CaisToNode SettingsManager object.

CaisToNodeCore.Contracts.Services Namespace

Interfaces for CaisToNode service objects.

Interfaces

IConnectionManager	Manages SQL server connection.
ICrypto	A simple encryption/decryption object.
IExtractionCoordinator	Provides interface to perform extraction in proper sequence.
IReporter	An object that collects and saves substitution and information reports.
ISecrets	A minimal class which contains sensitive values.
IXmlGenerator	Generates CERS V2 XML.

IConnectionManager Interface

Manages SQL server connection.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IConnectionManager
```

Methods

[GetConnection](#)

Opens a SqlConnection using information in the settings object.

See Also

Reference

[CaisToNodeCore.Contracts.Services Namespace](#)

[IConnectionManager.GetConnection](#) Method

Opens a SqlConnection using information in the settings object.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
 IDbConnection GetConnection()
```

Return Value

IDbConnection

A connection.

[Remarks](#)

The connection will need to be disposed properly.

[See Also](#)

Reference

[IConnectionManager Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

[ICrypto Interface](#)

A simple encryption/decryption object.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface ICrypto
```

[Methods](#)

Decrypt	Decrypts cipher text using a key.
Encrypt	Encrypts plain text using a key.

[See Also](#)

Reference

[CaisToNodeCore.Contracts.Services Namespace](#)

ICrypto.Decrypt Method

Decrypts cipher text using a key.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string Decrypt(  
    string cipherText,  
    byte[] key  
)
```

Parameters

cipherText **String**

The encrypted text.

key **Byte[]**

The cipher key.

Return Value

String

Decrypted plain text.

See Also

Reference

[ICrypto Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

ICrypto.Encrypt Method

Encrypts plain text using a key.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string Encrypt(  
    string plainText,  
    byte[] key  
)
```

Parameters

plainText String

The text to be encrypted.

key Byte[]

The cipher key.

Return Value

String

A string containing the cipher text.

See Also

Reference

[ICrypto Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

IExtractionCoordinator Interface

Provides interface to perform extraction in proper sequence.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IExtractionCoordinator
```

Methods

ExtractDataAsync	Performs data extraction.
GetMissingPrerequisites	Gets a list of missing prerequisites.

See Also

Reference

[CaisToNodeCore.Contracts.Services Namespace](#)

IExtractionCoordinator.ExtractDataAsync Method

Performs data extraction.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task ExtractDataAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

See Also

Reference

[IExtractionCoordinator Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

[IExtractionCoordinator.GetMissingPrerequisites Method](#)

Gets a list of missing prerequisites.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<string> GetMissingPrerequisites()
```

Return Value

List(String)

The failed prerequisites, empty if all is OK.

[See Also](#)

Reference

[IExtractionCoordinator Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

IReporter Interface

An object that collects and saves substitution and information reports.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IReporter
```

Properties

Issues	Gets a list of substitutions made during the process.
LogEntries	Gets a list of log items for summary reporting.

Methods

SaveObjectListsToXlsx(T)	Saves a workbook with worksheets containing data from the public lists of an object.
SaveReport	Saves the substitutions to a file.

See Also

Reference

[CaisToNodeCore.Contracts.Services Namespace](#)

IReporter.Issues Property

Gets a list of substitutions made during the process.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<Issue> Issues { get; }
```

Property Value

[List\(Issue\)](#)

See Also

[Reference](#)

[IReporter Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

IReporter.LogEntries Property

Gets a list of log items for summary reporting.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
List<LogEntry> LogEntries { get; }
```

Property Value

[List\(LogEntry\)](#)

See Also

[Reference](#)

[IReporter Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

IReporter.SaveObjectListsToXlsx<T> Method

Saves a workbook with worksheets containing data from the public lists of an object.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int SaveObjectListsToXlsx<T>(  
    T obj,  
    string fileName  
)
```

Parameters

obj **T**

The object containing lists.

fileName **String**

The fully qualified name of the file to be saved.

Type Parameters

T

The type of the list-containing objects.

Return Value

Int32

Number of lists saved, zero means no workbook generated.

See Also

Reference

[IReporter Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

[IReporter.SaveReport Method](#)

Saves the substitutions to a file.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
void SaveReport(  
    string fileName  
)
```

Parameters

fileName String

The fully qualified name of the file to be saved.

[See Also](#)

Reference

[IReporter Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

ISecrets Interface

A minimal class which contains sensitive values.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface ISecrets
```

Remarks

Implementations of this class should be excluded from SCMS, i.e. listed in .gitignore.

Properties

AesKey	Gets the AES key used to encrypt user name and password.
------------------------	--

See Also

Reference

[CaisToNodeCore.Contracts.Services Namespace](#)

ISecrets.AesKey Property

Gets the AES key used to encrypt user name and password.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
byte[] AesKey { get; }
```

Property Value

Byte[]

See Also

Reference

[ISecrets Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

IXmlGenerator Interface

Generates CERS V2 XML.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IXmlGenerator
```

Methods

GenerateXmlAsync(Stream, SubmissionType, DataCategory)	Generates XML for a EIS submittal.
GenerateXmlAsync(String, SubmissionType, DataCategory)	Generates zipped XML for a EIS submittal.

See Also

Reference

[CaisToNodeCore.Contracts.Services Namespace](#)

[IXmlGenerator.GenerateXmlAsync\(Stream, SubmissionType, DataCategory\) Method](#)

Generates XML for a EIS submittal.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task GenerateXmlAsync(  
    Stream stream,  
    SubmissionType submissionType,  
    DataCategory dataCategory  
)
```

Parameters

stream Stream

A stream to receive the XML.

submissionType SubmissionType

Submission type: QA or Production.

dataCategory DataCategory

The data category.

Return Value

Task

A **Task** representing the asynchronous operation.

Remarks

This is exposed primarily for test purposes. Normally the stream would be a FileStream, but for testing a MemoryStream can be used.

[See Also](#)

[Reference](#)

[IXmlGenerator Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

I_XMLGenerator.GenerateX_MlA_Sync(String, SubmissionType, DataCategory) Method

Generates zipped XML for a EIS submittal.

Definition

Namespace: [CaisToNodeCore.Contracts.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
Task GenerateXmlAsync(  
    string fileName,  
    SubmissionType submissionType,  
    DataCategory dataCategory  
)
```

Parameters

fileName String

The name of the destination XML file.

submissionType [SubmissionType](#)

Submission type: QA or Production.

dataCategory [DataCategory](#)

The data category.

Return Value

Task

A Task representing the asynchronous operation.

Remarks

The extension of the file name parameter will be changed to ".zip". The zip archive will contain the XML in an entry with the base name of the file name parameter and the extension ".xml".

See Also

[Reference](#)

[I_XMLGenerator Interface](#)

[CaisToNodeCore.Contracts.Services Namespace](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

Interfaces for CaisToNode SettingsManager object.

Interfaces

ICaisToNodeSettings	Configuration settings for CaisToNode.
ICaisValues	CAIS value lookup constants, range limits, and defaults.
IDesignRateUnitsMap	Defines a conversion from CAIS design rate units to EIS units.
IEisValues	EIS value lookup constants, range limits, and defaults.
INaaParameters	Parameters used to define Non-Attainment area sources and thresholds.
ISettingsManager	Contains values from application settings file (appsettings.json).

ICaisToNodeSettings Interface

Configuration settings for CaisToNode.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface ICaisToNodeSettings : INotifyPropertyChanged
```

Implements [INotifyPropertyChanged](#)

Properties

AuthorName	Gets or sets the submitter's name.
ColorScheme	Gets or sets application color scheme.
EisControlMeasureLookupCsvFileName	Gets or sets the file name of the downloaded EIS control measure code reference table.
EisNaicsLookupCsvFileName	Gets or sets the file name of the downloaded EIS NAICS reference table.
EisSccLookupCsvFileName	Gets or sets the file name of the downloaded EIS SCC reference table.
EisSnapshotXmlFileName	Gets or sets the file name of the downloaded EIS snapshot.
EisUnitTypeLookupCsvFileName	Gets or sets the file name of the downloaded EIS unit type code reference table.
EpaProgramCode	Gets the code that represents the information management system for EPA entered items.
ExcludedPlantsCountyFipsColumn	Gets or sets the column containing county FIPS codes for plants excluded from the extraction.
ExcludedPlantsPlantIdColumn	Gets or sets the column containing plant IDs of plants excluded from the extraction.
ExcludedPlantsStartingRow	Gets or sets the first row containing plant IDs of plants excluded from the extraction.
ExcludedPlantsWorkbook	Gets or sets the filename of the Excel workbook containing plants excluded from the extraction.
ExcludedPlantsWorksheet	Gets or sets the name (tab) of the worksheet containing plants excluded from the extraction.
FirstTimeUsed	Gets or sets a value indicating whether the app is being used for the first time.

CisToNodeCore Object Model

IncludeAllCategories	Gets or sets a value indicating whether the submittal is limited to type A major sources (Annual Cycle) or includes all categories (3-year cycle).
IncludedPlantsCountyFipsColumn	Gets or sets the column containing county FIPS codes for plants included in the extraction.
IncludedPlantsPlantIdColumn	Gets or sets the column containing plant IDs of plants included in the extraction.
IncludedPlantsStartingRow	Gets or sets the first row containing plant IDs of plants included in the extraction.
IncludedPlantsWorkbook	Gets or sets the filename of the Excel workbook containing plants included in the extraction.
IncludedPlantsWorksheet	Gets or sets the name (tab) of the worksheet containing plants included in the extraction.
InventoryYear	Gets or sets the inventory year for the submittal.
NodeConnectionString	Gets the connection string for the Node database.
OrganizationName	Gets the name of the organization which you are representing.
OverrideSettingsFolderPath	Gets a string containing the user settings override path.
PortableCountyCode	Gets the code that represents the pseudo-county for portable sources.
PrivacyStatement	Gets a string containing privacy statement URL.
ProgramSystemCode	Gets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system.
StateFipsCode	Gets the code that represents state's FIPS identification code.
SubmittalComment	Gets or sets the CERS submittal comment.
Theme	Gets or sets application base theme.
UserIdentifier	Gets or sets the submitter's email address.
UserSettingsFolderName	Gets a string containing the user settings folder name.
WorkingDirectory	Gets or sets the working directory.

Events

PropertyChanged	Occurs when a property value changes. (Inherited from INotifyPropertyChanged)
---------------------------------	--

See Also

[Reference](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.AuthorName Property](#)

Gets or sets the submitter's name.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string AuthorName { get; set; }
```

Property Value

String

[Remarks](#)

Your name, not your user ID.

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings](#).ColorScheme Property

Gets or sets application color scheme.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ColorScheme { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.EisControlMeasureLookupCsvFileName](#) Property

Gets or sets the file name of the downloaded EIS control measure code reference table.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EisControlMeasureLookupCsvFileName { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.EisNaicsLookupCsvFileName](#) Property

Gets or sets the file name of the downloaded EIS NAICS reference table.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EisNaicsLookupCsvFileName { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.EisSccLookupCsvFileName](#) Property

Gets or sets the file name of the downloaded EIS SCC reference table.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EisSccLookupCsvFileName { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.EisSnapshotXmlFileName](#) Property

Gets or sets the file name of the downloaded EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EisSnapshotXmlFileName { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.EisUnitTypeLookupCsvFileName](#) Property

Gets or sets the file name of the downloaded EIS unit type code reference table.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EisUnitTypeLookupCsvFileName { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.EpaProgramCode Property](#)

Gets the code that represents the information management system for EPA entered items.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EpaProgramCode { get; }
```

Property Value

String

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.ExcludedPlantsCountyFipsColumn Property](#)

Gets or sets the column containing county FIPS codes for plants excluded from the extraction.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ExcludedPlantsCountyFipsColumn { get; set; }
```

Property Value

String

[Remarks](#)

If blank, null, or the same as the Plant ID column the Plant IDs are assumed to contain county information.

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.ExcludedPlantsPlantIdColumn Property](#)

Gets or sets the column containing plant IDs of plants excluded from the extraction.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ExcludedPlantsPlantIdColumn { get; set; }
```

Property Value

String

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.ExcludedPlantsStartingRow Property](#)

Gets or sets the first row containing plant IDs of plants excluded from the extraction.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int ExcludedPlantsStartingRow { get; set; }
```

Property Value

Int32

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.ExcludedPlantsWorkbook Property](#)

Gets or sets the filename of the Excel workbook containing plants excluded from the extraction.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ExcludedPlantsWorkbook { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.ExcludedPlantsWorksheet Property](#)

Gets or sets the name (tab) of the worksheet containing plants excluded from the extraction.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ExcludedPlantsWorksheet { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings](#).FirstTimeUsed Property

Gets or sets a value indicating whether the app is being used for the first time.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
bool FirstTimeUsed { get; set; }
```

Property Value

Boolean

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.IncludeAllCategories Property](#)

Gets or sets a value indicating whether the submittal is limited to type A major sources (Annual Cycle) or includes all categories (3-year cycle).

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
bool IncludeAllCategories { get; set; }
```

Property Value

Boolean

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.IncludedPlantsCountyFipsColumn](#) Property

Gets or sets the column containing county FIPS codes for plants included in the extraction.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string IncludedPlantsCountyFipsColumn { get; set; }
```

Property Value

String

Remarks

If blank, null, or the same as the Plant ID column the Plant IDs are assumed to contain county information.

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.IncludedPlantsPlantIdColumn Property](#)

Gets or sets the column containing plant IDs of plants included in the extraction.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string IncludedPlantsPlantIdColumn { get; set; }
```

Property Value

String

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.IncludedPlantsStartingRow](#) Property

Gets or sets the first row containing plant IDs of plants included in the extraction.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int IncludedPlantsStartingRow { get; set; }
```

Property Value

Int32

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.IncludedPlantsWorkbook Property](#)

Gets or sets the filename of the Excel workbook containing plants included in the extraction.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string IncludedPlantsWorkbook { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.IncludedPlantsWorksheet Property](#)

Gets or sets the name (tab) of the worksheet containing plants included in the extraction.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string IncludedPlantsWorksheet { get; set; }
```

Property Value

String

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.InventoryYear](#) Property

Gets or sets the inventory year for the submittal.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int InventoryYear { get; set; }
```

Property Value

Int32

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.NodeConnectionString Property](#)

Gets the connection string for the Node database.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string NodeConnectionString { get; }
```

Property Value

String

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.OrganizationName Property](#)

Gets the name of the organization which you are representing.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string OrganizationName { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.OverrideSettingsFolderPath Property](#)

Gets a string containing the user settings override path.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string OverrideSettingsFolderPath { get; }
```

Property Value

String

[See Also](#)

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.PortableCountyCode Property](#)

Gets the code that represents the pseudo-county for portable sources.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string PortableCountyCode { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.PrivacyStatement](#) Property

Gets a string containing privacy statement URL.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string PrivacyStatement { get; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.ProgramSystemCode Property](#)

Gets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ProgramSystemCode { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.StateFipsCode Property](#)

Gets the code that represents state's FIPS identification code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string StateFipsCode { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.SubmittalComment Property](#)

Gets or sets the CERS submittal comment.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string SubmittalComment { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.Theme](#) Property

Gets or sets application base theme.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string Theme { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings](#).UserIdentifier Property

Gets or sets the submitter's email address.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string UserIdentifier { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings](#).UserSettingsFolderName Property

Gets a string containing the user settings folder name.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string UserSettingsFolderName { get; }
```

Property Value

String

See Also

[Reference](#)

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisToNodeSettings.WorkingDirectory Property](#)

Gets or sets the working directory.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string WorkingDirectory { get; set; }
```

Property Value

String

See Also

Reference

[ICaisToNodeSettings Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

ICaisValues Interface

CAIS value lookup constants, range limits, and defaults.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface ICaisValues
```

Properties

CaisPermanentClosed	Gets CAIS plant status code for permanently closed.
CaisTemporaryClosed	Gets CAIS plant status code for temporarily closed.
ConnectionTimeout	Gets or sets the SQL server connection timeout [seconds].
ControlMeasureCodeUncontrolled	Gets CAIS control measure code indicating uncontrolled operation.
IcislIdPrefix	Gets the constant prefix for ICIS style facility site IDs.
QueryTimeout	Gets or sets the SQL server query timeout [seconds].
ServerName	Gets or sets the SQL server instance name.
SqlPassWordCrypt	Gets or sets the encrypted SQL server password.
SqlUserCrypt	Gets or sets the encrypted SQL server user name.
UnitTypeCodeGenerator	Gets the CAIS/PTS unit code for generators.

See Also

Reference

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.CaisPermanentClosed Property](#)

Gets CAIS plant status code for permanently closed.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string CaisPermanentClosed { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.CaisTemporaryClosed Property](#)

Gets CAIS plant status code for temporarily closed.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string CaisTemporaryClosed { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.ConnectionTimeout Property](#)

Gets or sets the SQL server connection timeout [seconds].

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int ConnectionTimeout { get; set; }
```

Property Value

Int32

[See Also](#)

Reference

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.ControlMeasureCodeUncontrolled](#) Property

Gets CAIS control measure code indicating uncontrolled operation.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ControlMeasureCodeUncontrolled { get; }
```

Property Value

String

See Also

[Reference](#)

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.IcisisIdPrefix Property](#)

Gets the constant prefix for ICIS style facility site IDs.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string IcisisIdPrefix { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.QueryTimeout Property](#)

Gets or sets the SQL server query timeout [seconds].

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int QueryTimeout { get; set; }
```

Property Value

Int32

See Also

Reference

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.ServerName Property](#)

Gets or sets the SQL server instance name.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ServerName { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.SqlPassWordCrypt Property](#)

Gets or sets the encrypted SQL server password.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string SqlPassWordCrypt { get; set; }
```

Property Value

String

Remarks

Base 64 encoded and AES encrypted using an application-specific key.



Note

If this value is updated by the user it will be saved to local storage. if the application key is changed and the application is subsequently updated the locally saved values will not decrypt properly and must be updated or removed from local storage to restore default.

See Also

Reference

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues.SqlUserCrypt Property](#)

Gets or sets the encrypted SQL server user name.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string SqlUserCrypt { get; set; }
```

Property Value

String

Remarks

Base 64 encoded and AES encrypted using an application-specific key.



Note

If this value is updated by the user it will be saved to local storage. if the application key is changed and the application is subsequently updated the locally saved values will not decrypt properly and must be updated or removed from local storage to restore default.

See Also

Reference

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ICaisValues](#).UnitTypeCodeGenerator Property

Gets the CAIS/PTS unit code for generators.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string UnitTypeCodeGenerator { get; }
```

Property Value

String

See Also

[Reference](#)

[ICaisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

IDesignRateUnitsMap Interface

Defines a conversion from CAIS design rate units to EIS units.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IDesignRateUnitsMap
```

Properties

CaisUnitCode	Gets the units code as used in CAIS.
ConversionMultiplier	Gets the multiplier needed to convert from CAIS units to EIS units.
EisUnitCode	Gets the units abbreviation as used in EIS.

See Also

Reference

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IDesignRateUnitsMap.CaisUnitCode Property](#)

Gets the units code as used in CAIS.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string CaisUnitCode { get; }
```

Property Value

String

See Also

Reference

[IDesignRateUnitsMap Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IDesignRateUnitsMap](#).ConversionMultiplier Property

Gets the multiplier needed to convert from CAIS units to EIS units.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ConversionMultiplier { get; }
```

Property Value

Decimal

See Also

Reference

[IDesignRateUnitsMap Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IDesignRateUnitsMap.EisUnitCode](#) Property

Gets the units abbreviation as used in EIS.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EisUnitCode { get; }
```

Property Value

String

See Also

Reference

[IDesignRateUnitsMap Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

IEisValues Interface

EIS value lookup constants, range limits, and defaults.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IEisValues
```

Properties

ControlEfficiencyMax	Gets the maximum allowable value for control efficiency.
ControlEfficiencyMin	Gets the minimum allowable value for control efficiency.
ControlMeasureCodeColumn	Gets a the zero-based column index for control measure code in EIS control measure code table reference CSV files.
ControlMeasureCodeDefault	Gets a default value to substitute for a bad or missing control measure code.
ControlMeasureCodeRegex	Gets a regular expression matching control measure codes in EIS code table reference CSV files.
ControlMeasureLastYearColumn	Gets a the zero-based column index for the last inventory year in EIS NAICS code table reference CSV files.
CsvNaicsCodeRegex	Gets a regular expression matching NAICS codes in EIS code table reference CSV files.
DesignRateUnitsMap	Gets mappings for design rate units.
EisFugitiveStackCode	Gets the code used by EIS to indicate a fugitive release point.
EmissionOperatingTypeCodeRoutine	Gets the emissions operating type code for the normal or typical emissions for a reporting period.
EmissionsUnitofMeasureCodeTon	Gets the emissions unit of measure code representing tons.
EmptyValueRegex	Gets a regular expression matching empty values in EIS code table reference CSV files.
FugitiveHeightMax	Gets the maximum allowable value for Fugitive height.
FugitiveHeightMin	Gets the minimum allowable value for Fugitive height.
LatitudeDefault	Gets the default value for a missing or invalid latitude.
LatitudeMax	Gets the maximum allowable value for latitude.
LatitudeMin	Gets the minimum allowable value for latitude.
LocalityNameDefault	Gets the default value for a missing city name.
LocalityNameRegex	Gets a pattern matching a valid city name.
LongitudeDefault	Gets the default value for a missing or invalid longitude.

LongitudeMax	Gets the maximum allowable value for longitude.
LongitudeMin	Gets the minimum allowable value for longitude.
NaicsCodeColumn	Gets a the zero-based column index for NAICS code in EIS NAICS code table reference CSV files.
NAICSCodeDefault	Gets the default value for a missing or invalid NAICS code.
NAICSCodeRegex	Gets a pattern matching a valid NAICS code.
NaicsLastYearColumn	Gets a the zero-based column index for the last inventory year in EIS NAICS code table reference CSV files.
OperatingNotReporting	Gets the NEI code for operating sources not reporting.
PollutantCodePM10	Gets the pollutant code for particulate matter < 10 µm.
PollutantCodePM25	Gets the NEI pollutant code for particulate matter < 2.5 µm.
PostalCodeDefault	Gets the default value for a missing or invalid postal (zip) code.
PostalCodeRegex	Gets a pattern matching a valid postal (zip) code.
ReportingPeriodTypeCodeAnnual	Gets the reporting period code for the total emissions for a full year.
SccCategoryColumn	Gets a the zero-based column index for SCC category in EIS SCC code table reference CSV files.
SccCodeColumn	Gets a the zero-based column index for SCC code in EIS SCC code table reference CSV files.
SccLastYearColumn	Gets a the zero-based column index for the last inventory year in EIS SCC code table reference CSV files.
SccPointCategoryRegex	Gets a regular expression matching SCC point type category in EIS code table reference CSV files.
SourceClassificationCodeDefault	Gets the default value for a missing or invalid source classification code.
SourceClassificationCodeRegex	Gets a pattern matching a valid source classification code.
StackDiameterMax	Gets the maximum allowable value for stack diameter.
StackDiameterMin	Gets the minimum allowable value for stack diameter.
StackFlowRateMax	Gets the maximum allowable value for stack flow rate.
StackFlowRateMin	Gets the minimum allowable value for stack flow rate.
StackHeightMax	Gets the maximum allowable value for stack height.
StackHeightMin	Gets the minimum allowable value for stack height.
StackTemperatureMax	Gets the maximum allowable value for stack temperature.
StackTemperatureMin	Gets the minimum allowable value for stack temperature.
StackVelocityMax	Gets the maximum allowable value for stack velocity.
StackVelocityMin	Gets the minimum allowable value for stack velocity.

CisToNodeCore Object Model

<u>StateCodeDefault</u>	Gets the default value for a missing or invalid state abbreviation code.
<u>StateCodeRegex</u>	Gets a pattern matching a valid state code.
<u>StatusNotShutDown</u>	Gets the NEI codes for sources not shut down.
<u>StatusNotShutDownPermanently</u>	Gets the NEI codes for sources not permanently shut down.
<u>StatusOperating</u>	Gets the NEI code for operating and reportable point sources.
<u>StatusOperatingNonPoint</u>	Gets the NEI code for operating sources included in non-point inventory.
<u>StatusShutDown</u>	Gets the NEI codes for shut down sources.
<u>StatusShutDownPermanent</u>	Gets the NEI code for permanently shut down sources.
<u>StatusShutDownTemporary</u>	Gets the NEI code for temporarily shut down sources.
<u>UnitTypeCodeColumn</u>	Gets a the zero-based column index for unit type code in EIS unit type code table reference CSV files.
<u>UnitTypeCodeDefault</u>	Gets a default value to substitute for a bad or missing unit type code.
<u>UnitTypeCodeRegex</u>	Gets a regular expression matching unit type codes in EIS unit type code table reference CSV files.

See Also

Reference

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.ControlEfficiencyMax Property](#)

Gets the maximum allowable value for control efficiency.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ControlEfficiencyMax { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.ControlEfficiencyMin Property](#)

Gets the minimum allowable value for control efficiency.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ControlEfficiencyMin { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

IEisValues.ControlMeasureCodeColumn Property

Gets a the zero-based column index for control measure code in EIS control measure code table reference CSV files.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int ControlMeasureCodeColumn { get; }
```

Property Value

Int32

See Also

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.ControlMeasureCodeDefault Property](#)

Gets a default value to substitute for a bad or missing control measure code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ControlMeasureCodeDefault { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.ControlMeasureCodeRegex Property](#)

Gets a regular expression matching control measure codes in EIS code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ControlMeasureCodeRegex { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.ControlMeasureLastYearColumn Property](#)

Gets a the zero-based column index for the last inventory year in EIS NAICS code table reference CSV files.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int ControlMeasureLastYearColumn { get; }
```

Property Value

Int32

See Also

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.CsvNaicsCodeRegex Property](#)

Gets a regular expression matching NAICS codes in EIS code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string CsvNaicsCodeRegex { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.DesignRateUnitsMap Property](#)

Gets mappings for design rate units.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
IEnumerable<IDesignRateUnitsMap> DesignRateUnitsMap { get; }
```

Property Value

IEnumerable([IDesignRateUnitsMap](#))

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.EisFugitiveStackCode Property](#)

Gets the code used by EIS to indicate a fugitive release point.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EisFugitiveStackCode { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.EmissionOperatingTypeCodeRoutine Property](#)

Gets the emissions operating type code for the normal or typical emissions for a reporting period.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EmissionOperatingTypeCodeRoutine { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.EmissionsUnitofMeasureCodeTon Property](#)

Gets the emissions unit of measure code representing tons.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EmissionsUnitofMeasureCodeTon { get; }
```

Property Value

String

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.EmptyValueRegex Property](#)

Gets a regular expression matching empty values in EIS code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string EmptyValueRegex { get; }
```

Property Value

String

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.FugitiveHeightMax Property](#)

Gets the maximum allowable value for Fugitive height.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal FugitiveHeightMax { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.FugitiveHeightMin Property](#)

Gets the minimum allowable value for Fugitive height.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal FugitiveHeightMin { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.LatitudeDefault Property](#)

Gets the default value for a missing or invalid latitude.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal LatitudeDefault { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.LatitudeMax Property](#)

Gets the maximum allowable value for latitude.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal LatitudeMax { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.LatitudeMin Property](#)

Gets the minimum allowable value for latitude.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal LatitudeMin { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.LocalityNameDefault Property](#)

Gets the default value for a missing city name.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string LocalityNameDefault { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.LocalityNameRegex](#) Property

Gets a pattern matching a valid city name.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string LocalityNameRegex { get; }
```

Property Value

String

See Also

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.LongitudeDefault Property](#)

Gets the default value for a missing or invalid longitude.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal LongitudeDefault { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.LongitudeMax Property](#)

Gets the maximum allowable value for longitude.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal LongitudeMax { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.LongitudeMin Property](#)

Gets the minimum allowable value for longitude.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal LongitudeMin { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.NaicsCodeColumn Property](#)

Gets a the zero-based column index for NAICS code in EIS NAICS code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int NaicsCodeColumn { get; }
```

Property Value

Int32

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.NAICSCodeDefault Property](#)

Gets the default value for a missing or invalid NAICS code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string NAICSCodeDefault { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.NAICSCodeRegex Property](#)

Gets a pattern matching a valid NAICS code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string NAICSCodeRegex { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.NaicsLastYearColumn Property](#)

Gets a the zero-based column index for the last inventory year in EIS NAICS code table reference CSV files.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int NaicsLastYearColumn { get; }
```

Property Value

Int32

See Also

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.OperatingNotReporting Property](#)

Gets the NEI code for operating sources not reporting.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string OperatingNotReporting { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.PollutantCodePM10 Property](#)

Gets the pollutant code for particulate matter < 10 μm .

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string PollutantCodePM10 { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.PollutantCodePM25 Property](#)

Gets the NEI pollutant code for particulate matter < 2.5 μm .

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string PollutantCodePM25 { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.PostalCodeDefault Property](#)

Gets the default value for a missing or invalid postal (zip) code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string PostalCodeDefault { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.PostalCodeRegex Property](#)

Gets a pattern matching a valid postal (zip) code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string PostalCodeRegex { get; }
```

Property Value

String

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.ReportingPeriodTypeCodeAnnual Property](#)

Gets the reporting period code for the total emissions for a full year.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string ReportingPeriodTypeCodeAnnual { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.SccCategoryColumn Property](#)

Gets a the zero-based column index for SCC category in EIS SCC code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int SccCategoryColumn { get; }
```

Property Value

Int32

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.SccCodeColumn Property](#)

Gets a the zero-based column index for SCC code in EIS SCC code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int SccCodeColumn { get; }
```

Property Value

Int32

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.SccLastYearColumn Property](#)

Gets a the zero-based column index for the last inventory year in EIS SCC code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int SccLastYearColumn { get; }
```

Property Value

Int32

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.SccPointCategoryRegex Property](#)

Gets a regular expression matching SCC point type category in EIS code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string SccPointCategoryRegex { get; }
```

Property Value

String

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.SourceClassificationCodeDefault Property](#)

Gets the default value for a missing or invalid source classification code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string SourceClassificationCodeDefault { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.SourceClassificationCodeRegex](#) Property

Gets a pattern matching a valid source classification code.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string SourceClassificationCodeRegex { get; }
```

Property Value

String

See Also

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackDiameterMax Property](#)

Gets the maximum allowable value for stack diameter.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackDiameterMax { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackDiameterMin Property](#)

Gets the minimum allowable value for stack diameter.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackDiameterMin { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackFlowRateMax Property](#)

Gets the maximum allowable value for stack flow rate.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackFlowRateMax { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackFlowRateMin Property](#)

Gets the minimum allowable value for stack flow rate.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackFlowRateMin { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackHeightMax Property](#)

Gets the maximum allowable value for stack height.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackHeightMax { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackHeightMin Property](#)

Gets the minimum allowable value for stack height.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackHeightMin { get; }
```

Property Value

Decimal

See Also

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackTemperatureMax Property](#)

Gets the maximum allowable value for stack temperature.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackTemperatureMax { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackTemperatureMin Property](#)

Gets the minimum allowable value for stack temperature.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackTemperatureMin { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackVelocityMax Property](#)

Gets the maximum allowable value for stack velocity.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackVelocityMax { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StackVelocityMin Property](#)

Gets the minimum allowable value for stack velocity.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal StackVelocityMin { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StateCodeDefault Property](#)

Gets the default value for a missing or invalid state abbreviation code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string StateCodeDefault { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StateCodeRegex Property](#)

Gets a pattern matching a valid state code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string StateCodeRegex { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StatusNotShutDown Property](#)

Gets the NEI codes for sources not shut down.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string[] StatusNotShutDown { get; }
```

Property Value

String[]

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StatusNotShutDownPermanently Property](#)

Gets the NEI codes for sources not permanently shut down.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string[] StatusNotShutDownPermanently { get; }
```

Property Value

String[]

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StatusOperating Property](#)

Gets the NEI code for operating and reportable point sources.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string StatusOperating { get; }
```

Property Value

String

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StatusOperatingNonPoint Property](#)

Gets the NEI code for operating sources included in non-point inventory.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string StatusOperatingNonPoint { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.Status ShutDown Property](#)

Gets the NEI codes for shut down sources.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string[] StatusShutDown { get; }
```

Property Value

String[]

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StatusShutDownPermanent Property](#)

Gets the NEI code for permanently shut down sources.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string StatusShutDownPermanent { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.StatusShutDownTemporary Property](#)

Gets the NEI code for temporarily shut down sources.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string StatusShutDownTemporary { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.UnitTypeCodeColumn Property](#)

Gets a the zero-based column index for unit type code in EIS unit type code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
int UnitTypeCodeColumn { get; }
```

Property Value

Int32

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.UnitTypeCodeDefault Property](#)

Gets a default value to substitute for a bad or missing unit type code.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string UnitTypeCodeDefault { get; }
```

Property Value

String

[See Also](#)

[Reference](#)

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[IEisValues.UnitTypeCodeRegex Property](#)

Gets a regular expression matching unit type codes in EIS unit type code table reference CSV files.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string UnitTypeCodeRegex { get; }
```

Property Value

String

[See Also](#)

Reference

[IEisValues Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

INaaParameters Interface

Parameters used to define Non-Attainment area sources and thresholds.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface INaaParameters
```

Properties

ClassAThresholdCO	Gets the AERR Class A emissions threshold for CO.
ClassAThresholdNH3	Gets the AERR Class A emissions threshold for NH3.
ClassAThresholdNOx	Gets the AERR Class A emissions threshold for NOx.
ClassAThresholdPM10	Gets the AERR Class A emissions threshold for PM10.
ClassAThresholdPM25	Gets the AERR Class A emissions threshold for PM2.5.
ClassAThresholdSO2	Gets the AERR Class A emissions threshold for SO2.
ClassAThresholdVoc	Gets the AERR Class A emissions threshold for VOC.
ClassBThresholdCO	Gets the AERR Class B emissions threshold for CO.
ClassBThresholdNH3	Gets the AERR Class B emissions threshold for NH3.
ClassBThresholdNOx	Gets the AERR Class B emissions threshold for NOx.
ClassBThresholdPB	Gets the AERR Class B emissions threshold for PB.
ClassBThresholdPM10	Gets the AERR Class B emissions threshold for PM10.
ClassBThresholdPM25	Gets the AERR Class B emissions threshold for PM2.5.
ClassBThresholdSO2	Gets the AERR Class B emissions threshold for SO2.
ClassBThresholdVoc	Gets the AERR Class B emissions threshold for VOC.
NaaCOThreshold	Gets the reporting threshold for CO in non-attainment areas.
NaaCounties	Gets an array of county FIPS codes for the non-attainment area.
NaaNorthEastLatitude	Gets the latitude of the eastern section of the non-attainment area.
NaaNorthShiftLongitude	Gets the longitude at which the north side changes latitude.
NaaNorthWestLatitude	Gets the latitude of the western section of the non-attainment area.
NaaVocThreshold	Gets the reporting threshold for VOC in non-attainment areas.

See Also

Reference

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).ClassAThresholdCO Property

Gets the AERR Class A emissions threshold for CO.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassAThresholdCO { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).[ClassAThresholdNH3](#) Property

Gets the AERR Class A emissions threshold for NH3.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassAThresholdNH3 { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).[ClassAThresholdNOx](#) Property

Gets the AERR Class A emissions threshold for NOx.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassAThresholdNOx { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).[ClassAThresholdPM10](#) Property

Gets the AERR Class A emissions threshold for PM10.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassAThresholdPM10 { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).[ClassAThresholdPM25](#) Property

Gets the AERR Class A emissions threshold for PM2.5.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassAThresholdPM25 { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).ClassAThresholdSO2 Property

Gets the AERR Class A emissions threshold for SO2.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassAThresholdSO2 { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).[ClassAThresholdVoc](#) Property

Gets the AERR Class A emissions threshold for VOC.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassAThresholdVoc { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).ClassBThresholdCO Property

Gets the AERR Class B emissions threshold for CO.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassBThresholdCO { get; }
```

Property Value

Decimal

See Also

Reference

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).ClassBThresholdNH3 Property

Gets the AERR Class B emissions threshold for NH3.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassBThresholdNH3 { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).[ClassBThresholdNOx](#) Property

Gets the AERR Class B emissions threshold for NOx.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassBThresholdNOx { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).ClassBThresholdPB Property

Gets the AERR Class B emissions threshold for PB.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassBThresholdPB { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).ClassBThresholdPM10 Property

Gets the AERR Class B emissions threshold for PM10.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassBThresholdPM10 { get; }
```

Property Value

Decimal

See Also

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).[ClassBThresholdPM25](#) Property

Gets the AERR Class B emissions threshold for PM2.5.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassBThresholdPM25 { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).ClassBThresholdSO2 Property

Gets the AERR Class B emissions threshold for SO2.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassBThresholdSO2 { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters](#).[ClassBThresholdVoc](#) Property

Gets the AERR Class B emissions threshold for VOC.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal ClassBThresholdVoc { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters.NaaCOThreshold Property](#)

Gets the reporting threshold for CO in non-attainment areas.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal NaaCOThreshold { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters.NaaCounties Property](#)

Gets an array of county FIPS codes for the non-attainment area.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string[] NaaCounties { get; }
```

Property Value

String[]

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters.NaaNorthEastLatitude Property](#)

Gets the latitude of the eastern section of the non-attainment area.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal NaaNorthEastLatitude { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters.NaaNorthShiftLongitude Property](#)

Gets the longitude at which the north side changes latitude.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal NaaNorthShiftLongitude { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters.NaaNorthWestLatitude Property](#)

Gets the latitude of the western section of the non-attainment area.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal NaaNorthWestLatitude { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[INaaParameters.NaaVocThreshold Property](#)

Gets the reporting threshold for VOC in non-attainment areas.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
decimal NaaVocThreshold { get; }
```

Property Value

Decimal

[See Also](#)

[Reference](#)

[INaaParameters Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

ISettingsManager Interface

Contains values from application settings file (appsettings.json).

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface ISettingsManager
```

Properties

CaisValues	Gets an object representing CAIS constants and connection information.
EisValues	Gets an object representing EIS constant values, range limits, and defaults.
NaaParameters	Gets an object representing non-attainment area parameters.
Settings	Gets an object representing general application settings.

See Also

Reference

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ISettingsManager.CaisValues Property](#)

Gets an object representing CAIS constants and connection information.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
ICaisValues CaisValues { get; }
```

Property Value

[ICaisValues](#)

[See Also](#)

[Reference](#)

[ISettingsManager Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

[ISettingsManager.EisValues Property](#)

Gets an object representing EIS constant values, range limits, and defaults.

[Definition](#)

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
IEisValues EisValues { get; }
```

Property Value

[IEisValues](#)

[See Also](#)

Reference

[ISettingsManager Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

ISettingsManager.NaaParameters Property

Gets an object representing non-attainment area parameters.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
INaaParameters NaaParameters { get; }
```

Property Value

[INaaParameters](#)

See Also

[Reference](#)

[ISettingsManager Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

ISettingsManager.Settings Property

Gets an object representing general application settings.

Definition

Namespace: [CaisToNodeCore.Contracts.Services.SettingsManager](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
ICaisToNodeSettings Settings { get; }
```

Property Value

[ICaisToNodeSettings](#)

See Also

[Reference](#)

[ISettingsManager Interface](#)

[CaisToNodeCore.Contracts.Services.SettingsManager Namespace](#)

CaisToNodeCore.Helpers Namespaces

CaisToNode helper objects.

Namespaces

<u>CaisToNodeCore.Helpers</u>	CaisToNode helper objects.
<u>CaisToNodeCore.Helpers.PrepareBackend</u>	CaisToNode PrepareBackend helper objects.

CaisToNodeCore.Helpers Namespace

CaisToNode helper objects.

Classes

[Extensions](#)

Extension methods used in CaisToNode.

Extensions Class

Extension methods used in CaisToNode.

Definition

Namespace: [CaisToNodeCore.Helpers](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public static class Extensions
```

Inheritance **Object** → **Extensions**

Methods

Left	Truncates string to maximum length.
TrimLeadingZeros	Removes leading zeros from string.

See Also

Reference

[CaisToNodeCore.Helpers Namespace](#)

Extensions.Left Method

Truncates string to maximum length.

Definition

Namespace: [CaisToNodeCore.Helpers](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public static string Left(
    this string value,
    int maxLength
)
```

Parameters

value **String**

The string.

maxLength **Int32**

The maximum length.

Return Value

String

Truncated string.

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **String**.

When you use instance method syntax to call this method, omit the first parameter. For more

information, see [Extension Methods \(Visual Basic\)](#) or [Extension Methods \(C# Programming Guide\)](#).

See Also

[Reference](#)

[Extensions Class](#)

[CaisToNodeCore.Helpers Namespace](#)

Extensions.TrimLeadingZeros Method

Removes leading zeros from string.

Definition

Namespace: [CaisToNodeCore.Helpers](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public static string TrimLeadingZeros(  
    this string value  
)
```

Parameters

value **String**

The string.

Return Value

String

The trimmed string.

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **String**.

When you use instance method syntax to call this method, omit the first parameter. For more

information, see [Extension Methods \(Visual Basic\)](#) or [Extension Methods \(C# Programming Guide\)](#).

Remarks

If the string consists entirely of zeros a single zero will be returned.

See Also

Reference

[Extensions Class](#)

[CaisToNodeCore.Helpers Namespace](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

CaisToNode PrepareBackend helper objects.

Classes

CaisIdRecord	A record containing CAIS Back end ID values.
EpaldsToCais	Updates CAIS back end EPA ID fields based upon snapshot.
EpaldUpdateRecord	A record containing information needed to update EPA ID in backend.

CaisIdRecord Class

A record containing CAIS Back end ID values.

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class CaisIdRecord : IEquatable<CaisIdRecord>
```

Inheritance **Object** → **CaisIdRecord**

Implements **IEquatable(CaisIdRecord)**

Constructors

CaisIdRecord	Initializes a new instance of the CaisIdRecord class
------------------------------	--

Properties

CountyCode	Gets CAIS Plant County Code.
Epald	Gets EPA ID in EIS.
IcisID	Gets state ID as reported to EIS (ICIS ID format).
PlantId	Gets CAIS Plant ID (Unique within county).
PlantTableKey	Gets CAIS Plant table primary key.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

CaisIdRecord Constructor

Initializes a new instance of the [CaisIdRecord](#) class

Definition

Namespace: [CisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CisToNodeCore (in CisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisIdRecord()
```

See Also

Reference

[CaisIdRecord Class](#)

[CisToNodeCore.Helpers.PrepareBackend Namespace](#)

[CaisIdRecord.CountyCode Property](#)

Gets CAIS Plant County Code.

[Definition](#)

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CountyCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisIdRecord Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

[CaisIdRecord.EpaId Property](#)

Gets EPA ID in EIS.

[Definition](#)

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaId { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisIdRecord Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

CaisIdRecord.IcisID Property

Gets state ID as reported to EIS (ICIS ID format).

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string IcisID { get; }
```

Property Value

String

See Also

Reference

[CaisIdRecord Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

[CaisIdRecord](#).[PlantId](#) Property

Gets CAIS Plant ID (Unique within county).

[Definition](#)

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PlantId { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisIdRecord Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

[CaisIdRecord](#).[PlantTableKey](#) Property

Gets CAIS Plant table primary key.

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int PlantTableKey { get; init; }
```

Property Value

Int32

See Also

Reference

[CaisIdRecord Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

EpaIdsToCais Class

Updates CAIS back end EPA ID fields based upon snapshot.

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EpaIdsToCais : IEpaIdsToCais
```

Inheritance **Object** → **EpaIdsToCais**

Implements [IEpaIdsToCais](#)

Constructors

EpaIdsToCais	Initializes a new instance of the EpaIdsToCais class
------------------------------	---

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
GetUpdatedIds	Generates a list CAIS plants which need updated EPA IDs, and the new IDs.
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)
UpdateBackendEpaIdsAsync	Updates SQL Server plant records to reflect EIS IDs as found in an EIS snapshot.

See Also

[Reference](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

[EpaldsToCais Constructor](#)

Initializes a new instance of the [EpaldsToCais](#) class

[Definition](#)

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EpaIdsToCais()
```

[See Also](#)

Reference

[EpaldsToCais Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

[EpaldsToCais.GetUpdateIds Method](#)

Generates a list CAIS plants which need updated EPA IDs, and the new IDs.

[Definition](#)

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal static List<EpaIdUpdateRecord> GetUpdateIds(  
    IEnumerable<CaisIdRecord> caisIds,  
    IEnumerable<EisFacilitySiteRecord> eisFacilities  
)
```

Parameters

caisIds [IEnumerable\(CaisIdRecord\)](#)

List of back end CAIS ID records.

eisFacilities [IEnumerable\(EisFacilitySiteRecord\)](#)

List of EIS Snapshot Facility Site Records.

Return Value

[List\(EpaldUpdateRecord\)](#)

List of records representing necessary back end updates.

[See Also](#)

Reference

[EpaldsToCais Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

EpaldsToCais.UpdateBackendEpaldsAsync Method

Updates SQL Server plant records to reflect EIS IDs as found in an EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task<int> UpdateBackendEpaldsAsync(  
    string connectionString,  
    Snapshot snapshot  
)
```

Parameters

connectionString **String**

Connection string to access back end.

snapshot [Snapshot](#)

EIS Snapshot.

Return Value

Task(Int32)

Async Task for the update process, eventually the number of rows affected.

Implements

[IEpaldsToCais.UpdateBackendEpaldsAsync\(String, Snapshot\)](#)

See Also

Reference

[EpaldsToCais Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

EpaIdUpdateRecord Class

A record containing information needed to update EPA ID in backend.

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EpaIdUpdateRecord : IEquatable<EpaIdUpdateRecord>
```

Inheritance **Object** → **EpaIdUpdateRecord**

Implements **IEquatable(EpaIdUpdateRecord)**

Constructors

EpaIdUpdateRecord	Initializes a new instance of the EpaIdUpdateRecord class
-----------------------------------	--

Properties

EpaId	Gets the new EPA ID.
PlantTableKey	Gets CAIS Plant table primary key.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

[EpaidUpdateRecord](#) Constructor

Initializes a new instance of the [EpaidUpdateRecord](#) class

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EpaidUpdateRecord()
```

See Also

Reference

[EpaidUpdateRecord Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

EpaldUpdateRecord.Epald Property

Gets the new EPA ID.

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaId { get; init; }
```

Property Value

String

See Also

Reference

[EpaldUpdateRecord Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

[EpaldUpdateRecord](#).PlantTableKey Property

Gets CAIS Plant table primary key.

Definition

Namespace: [CaisToNodeCore.Helpers.PrepareBackend](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int PlantTableKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EpaldUpdateRecord Class](#)

[CaisToNodeCore.Helpers.PrepareBackend Namespace](#)

CaisToNodeCore.Models Namespaces

CaisToNode model objects.

Namespaces

<u>CaisToNodeCore.Models</u>	CaisToNode model objects.
<u>CaisToNodeCore.Models.Cais</u>	CaisToNode model objects.
<u>CaisToNodeCore.Models.EisSnapshot</u>	CaisToNode EisSnapshot model objects.
<u>CaisToNodeCore.Models.FacilityInventory</u>	CaisToNode FacilityInventory model objects.
<u>CaisToNodeCore.Models.Node</u>	CaisToNode Node model objects.
<u>CaisToNodeCore.Models.PointEmissions</u>	CaisToNode PointEmissions model objects.

[CaisToNodeCore.Models Namespace](#)

CaisToNode model objects.

Classes

ProcessorBase	Base class for processor object.
-------------------------------	----------------------------------

ProcessorBase Class

Base class for processor object.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public abstract class ProcessorBase
```

Inheritance **Object** → ProcessorBase

Derived

[CaisToNodeCore.Models.FacilityInventory.EmissionsProcessProcessor](#)
[CaisToNodeCore.Models.FacilityInventory.EmissionsUnitProcessor](#)
[CaisToNodeCore.Models.FacilityInventory.FacilitySiteProcessor](#)
[CaisToNodeCore.Models.FacilityInventory.ProcessPollutantAndControlsProcessor](#)
[CaisToNodeCore.Models.FacilityInventory.ReleasePointProcessor](#)
[CaisToNodeCore.Models.PointEmissions.PointEmissionsProcessor](#)

Constructors

ProcessorBase(ICaisToNodeSettings, ICaisManager, INodeManager, ISnapshotManager)	Initializes a new instance of the ProcessorBase class.
ProcessorBase(ISettingsManager, ICaisManager, INodeManager, ISnapshotManager)	Initializes a new instance of the ProcessorBase class.

Properties

Cais	Gets a CAIS facade.
CaisManager	Gets a CAIS manager.
Node	Gets a node facade.
NodeManager	Gets a node manager object.
Settings	Gets a settings object.
SettingsManager	Gets a settings manager object.
Snapshot	Gets an EIS snapshot object.
SnapshotManager	Gets a snapshot manager object.

Methods

EnsureInRange(T)	Ensures that a provided value falls within an allowable range, applies a default otherwise.
EnsureValid(DataCategory, String, String, String, String, String, String, String)	Ensures that a provided value matches a pattern, applies a default otherwise.

<u>EnsureValid(T)(DataCategory, String, String, String, String, T, ICollection(T), T)</u>	Ensures that a provided value matches a pattern, applies a default otherwise.
Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
<u>PinToRange(T)</u>	Ensures that a provided value falls within an allowable range. The closest allowable value is returned.
ToString	Returns a string that represents the current object. (Inherited from Object)
<u>UniqueKey</u>	Gets a unique key for node IDs.

[See Also](#)

[Reference](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase(ICaisToNodeSettings, ICaisManager, INodeManager, ISnapshotManager) Constructor

Initializes a new instance of the [ProcessorBase](#) class.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected ProcessorBase(  
    ICaisToNodeSettings settings,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager  
)
```

Parameters

settings [ICaisToNodeSettings](#)

Configuration and user settings container.

caisManager [ICaisManager](#)

CAIS interface.

nodeManager [INodeManager](#)

Node interface.

snapshotManager [ISnapshotManager](#)

EIS Snapshot interface.

See Also

Reference

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase(ISettingsManager, ICaisManager, INodeManager, ISnapshotManager) Constructor

Initializes a new instance of the [ProcessorBase](#) class.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected ProcessorBase(  
    ISettingsManager settingsManager,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Configuration and user settings container.

caisManager [ICaisManager](#)

CAIS interface.

nodeManager [INodeManager](#)

Node interface.

snapshotManager [ISnapshotManager](#)

EIS Snapshot interface.

See Also

Reference

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.Cais Property

Gets a CAIS facade.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected CaisFacade Cais { get; }
```

Property Value

[CaisFacade](#)

Remarks

An alias for this.CaisManager.Facade.

See Also

Reference

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.CaisManager Property

Gets a CAIS manager.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected ICaisManager CaisManager { get; init; }
```

Property Value

[ICaisManager](#)

See Also

[Reference](#)

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.Node Property

Gets a node facade.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected NodeFacade Node { get; }
```

Property Value

[NodeFacade](#)

Remarks

An alias for this.NodeManager.Facade.

See Also

[Reference](#)

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.NodeManager Property

Gets a node manager object.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected INodeManager NodeManager { get; init; }
```

Property Value

[INodeManager](#)

See Also

[Reference](#)

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.Settings Property

Gets a settings object.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected ICaisToNodeSettings Settings { get; init; }
```

Property Value

[ICaisToNodeSettings](#)

See Also

[Reference](#)

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.SettingsManager Property

Gets a settings manager object.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected ISettingsManager SettingsManager { get; init; }
```

Property Value

[ISettingsManager](#)

See Also

[Reference](#)

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.Snapshot Property

Gets an EIS snapshot object.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected Snapshot Snapshot { get; }
```

Property Value

[Snapshot](#)

Remarks

An alias for this.SnapshotManager.Snapshot.

See Also

[Reference](#)

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.SnapshotManager Property

Gets a snapshot manager object.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected ISnapshotManager SnapshotManager { get; init; }
```

Property Value

[ISnapshotManager](#)

See Also

[Reference](#)

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.EnsureInRange<T> Method

Ensures that a provided value falls within an allowable range, applies a default otherwise.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected static T EnsureInRange<T>(
    DataCategory submittalType,
    string transformationStep,
    string eisComponent,
    string propertyName,
    string id,
    T propValue,
    T minValue,
    T maxValue,
    T defaultValue
)
where T : Object, IComparable<T>
```

Parameters

submittalType [DataCategory](#)

The submittal type.

transformationStep [String](#)

The name of the step involved.

eisComponent [String](#)

The effected EIS component name.

propertyName [String](#)

The name of the property being tested.

id [String](#)

A component record's unique identifier.

propValue [T](#)

The value being tested.

minValue [T](#)

Minimum allowable value.

maxValue [T](#)

Maximum allowable value.

defaultValue [T](#)

Default value to be substituted if out of range.

CIsToNodeCore Object Model

Type Parameters

T

The value's type.

Return Value

T

The propValue if in range, defaultValue if not in range.

See Also

Reference

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.EnsureValid(DataCategory, String, String, String, String, String, String) Method

Ensures that a provided value matches a pattern, applies a default otherwise.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected static string EnsureValid(  
    DataCategory submittalType,  
    string transformationStep,  
    string eisComponent,  
    string propertyName,  
    string id,  
    string propValue,  
    string pattern,  
    string defaultValue  
)
```

Parameters

submittalType [DataCategory](#)

The submittal type.

transformationStep [String](#)

The name of the step involved.

eisComponent [String](#)

The effected EIS component name.

propertyName [String](#)

The name of the property being tested.

id [String](#)

A component record's unique identifier.

propValue [String](#)

The value being tested.

pattern [String](#)

Regular expression matching valid values.

defaultValue [String](#)

Default value to be substituted no match.

Return Value

[String](#)

The propValue if matching, defaultValue otherwise.

CisToNodeCore Object Model

See Also

Reference

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.EnsureValid<T>(DataCategory, String, String, String, String, T, ICollection<T>, T) Method

Ensures that a provided value matches a pattern, applies a default otherwise.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected static T EnsureValid<T>(
    DataCategory submittalType,
    string transformationStep,
    string eisComponent,
    string propertyName,
    string id,
    T propValue,
    ICollection<T> validValues,
    T defaultValue
)
```

Parameters

submittalType [DataCategory](#)

The submittal type.

transformationStep [String](#)

The name of the step involved.

eisComponent [String](#)

The effected EIS component name.

propertyName [String](#)

The name of the property being tested.

id [String](#)

A component record's unique identifier.

propValue [T](#)

The value being tested.

validValues [ICollection\(T\)](#)

Collection containing valid values.

defaultValue [T](#)

Default value to be substituted no match.

Type Parameters

T

Type of provided value.

CIsToNodeCore Object Model

Return Value

T

The propValue if matching, defaultValue otherwise.

See Also

Reference

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

ProcessorBase.PinToRange<T> Method

Ensures that a provided value falls within an allowable range. The closest allowable value is returned.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected static T PinToRange<T>(
    DataCategory submittalType,
    string transformationStep,
    string eisComponent,
    string propertyName,
    string id,
    T propValue,
    T minValue,
    T maxValue
)
where T : Object, IComparable<T>
```

Parameters

submittalType [DataCategory](#)

The submittal type.

transformationStep [String](#)

The name of the step involved.

eisComponent [String](#)

The effected EIS component name.

propertyName [String](#)

The name of the property being tested.

id [String](#)

A component record's unique identifier.

propValue [T](#)

The value being tested.

minValue [T](#)

Minimum allowable value.

maxValue [T](#)

Maximum allowable value.

Type Parameters

T

The value's type.

CIsToNodeCore Object Model

Return Value

T

The propValue if in range, closest in-range value otherwise.

See Also

Reference

[ProcessorBase Class](#)

[CIsToNodeCore.Models Namespace](#)

ProcessorBase.UniqueKey Method

Gets a unique key for node IDs.

Definition

Namespace: [CaisToNodeCore.Models](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public static string UniqueKey(  
    DataCategory category,  
    int year  
)
```

Parameters

category [DataCategory](#)

The submittal data category.

year [Int32](#)

The inventory year.

Return Value

String

A unique string.

Remarks

The key is prepended with a letter representing the data category and the inventory year to aid in analysis of raw data tables.

See Also

Reference

[ProcessorBase Class](#)

[CaisToNodeCore.Models Namespace](#)

CaisToNodeCore.Models.Cais Namespace

CaisToNode model objects.

Classes

CaisEmissionsProcessRecord	Represents Emission Process record from CAIS.
CaisEmissionsUnitRecord	Represents Emission Unit (Point in CAIS) record from CAIS.
CaisFacade	Object containing data downloaded from CAIS.
CaisFacilitySiteRecord	Represents a plant-level information record downloaded from CAIS.
CaisManager	Manages data downloaded from CAIS.
CaisProcessPollutantRecord	Represents emissions and control equipment data from CAIS.
CaisReleasePointRecord	Represents Release Point (Stack in CAIS) record from CAIS.

Enumerations

AerrSourceType	AERR reporting source types.
--------------------------------	------------------------------

AerrSourceType Enumeration

AERR reporting source types.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public enum AerrSourceType
```

Members

NotDetermined	0	Default Value.
A	1	Large sources.
B	2	Small sources.
NAA	3	Non-attainment area sources.
NonPoint	4	Sources which could be included in non-point submittals.

See Also

Reference

[CaisToNodeCore.Models.Cais Namespace](#)

CaisEmissionsProcessRecord Class

Represents Emission Process record from CAIS.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class CaisEmissionsProcessRecord
```

Inheritance **Object** → **CaisEmissionsProcessRecord**

Constructors

CaisEmissionsProcessRecord	Initializes a new instance of the CaisEmissionsProcessRecord class
--	---

Properties

EmissionsProcessStatusCode	Gets or sets code that identifies the operating status of the emissions process. Node column: TBD (New in EIS V2).
EmissionsProcessStatusYear	Gets or sets the year in which the process status became applicable. Node column: TBD (New in EIS V2).
FacilitySiteIdentifier	Gets or sets the Agency facility ID, (ICIS Air format).
HasEmissions	Gets or sets a value indicating whether the process has emissions for the inventory year.
NodeKey	Gets or sets the primary key in the Node staging tables.
ProcessDescription	Gets or sets a description of the emissions unit.
ProcessIdentifier	Gets or sets the agency process id (CCC-FFFF-UUU-PP).
ReleasePointIdentifier	Gets or sets the agency release point id (CCC-FFFF-SRRR) of the associated stack.
SourceClassificationCode	Gets or sets EPA Source Classification Code that identifies an emissions process.
UnitIdentifier	Gets or sets the agency unit id (CCC-FFFF-UUU).

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)

CisToNodeCore Object Model

GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord](#) Constructor

Initializes a new instance of the [CaisEmissionsProcessRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisEmissionsProcessRecord()
```

See Also

Reference

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisEmissionsProcessRecord.EmissionsProcessStatusCode Property

Gets or sets code that identifies the operating status of the emissions process. Node column: TBD (New in EIS V2).

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionsProcessStatusCode { get; set; }
```

Property Value

String

See Also

Reference

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord.EmissionsProcessStatusYear Property](#)

Gets or sets the year in which the process status became applicable. Node column: TBD (New in EIS V2).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? EmissionsProcessStatusYear { get; set; }
```

Property Value

Nullable(Int32)

[See Also](#)

[Reference](#)

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord.FacilitySiteIdentifier Property](#)

Gets or sets the Agency facility ID, (ICIS Air format).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord.HasEmissions Property](#)

Gets or sets a value indicating whether the process has emissions for the inventory year.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public bool HasEmissions { get; set; }
```

Property Value

Boolean

[See Also](#)

[Reference](#)

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord.NodeKey](#) Property

Gets or sets the primary key in the Node staging tables.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeKey { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord.ProcessDescription Property](#)

Gets or sets a description of the emissions unit.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessDescription { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord.ProcessIdentifier Property](#)

Gets or sets the agency process id (CCC-FFFF-UUU-PP).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord](#).ReleasePointIdentifier Property

Gets or sets the agency release point id (CCC-FFFF-SRRR) of the associated stack.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointIdentifier { get; set; }
```

Property Value

String

See Also

[Reference](#)

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord](#).SourceClassificationCode Property

Gets or sets EPA Source Classification Code that identifies an emissions process.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SourceClassificationCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsProcessRecord](#).UnitIdentifier Property

Gets or sets the agency unit id (CCC-FFFF-UUU).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisEmissionsUnitRecord Class

Represents Emission Unit (Point in CAIS) record from CAIS.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class CaisEmissionsUnitRecord
```

Inheritance **Object** → [CaisEmissionsUnitRecord](#)

Constructors

CaisEmissionsUnitRecord	Initializes a new instance of the CaisEmissionsUnitRecord class
---	---

Properties

FacilitySiteIdentifier	Gets or sets the Agency facility ID, (ICIS Air format).
HasEmissions	Gets or sets a value indicating whether a unit has emissions for the inventory year.
NodeKey	Gets or sets the primary key in the Node staging tables.
UnitDescription	Gets or sets a description of the emissions unit.
UnitDesignCapacity	Gets or sets the measure of the size of the unit based on the maximum continuous throughput capacity of the unit.
UnitDesignCapacityUnitofMeasureCode	Gets or sets the unit of measure for the design capacity of the emissions unit.
UnitIdentifier	Gets or sets the agency unit id (CCC-FFFF-UUU).
UnitStatusCode	Gets or sets code that identifies the operating status of the emissions unit. Node column: CERS_EMIS_UNIT.UNIT_STAT_CODE.
UnitStatusCodeYear	Gets or sets the year in which the unit status became applicable. Node column: CERS_EMIS_UNIT.UNIT_STAT_CODE_YEAR.
UnitTypeCode	Gets or sets a code that identifies the type of emissions unit activity.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
------------------------	--

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

[See Also](#)

Reference

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsUnitRecord](#) Constructor

Initializes a new instance of the [CaisEmissionsUnitRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisEmissionsUnitRecord()
```

See Also

Reference

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsUnitRecord.FacilitySiteIdentifier Property](#)

Gets or sets the Agency facility ID, (ICIS Air format).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisEmissionsUnitRecord.HasEmissions Property

Gets or sets a value indicating whether a unit has emissions for the inventory year.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public bool HasEmissions { get; set; }
```

Property Value

Boolean

See Also

Reference

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsUnitRecord.NodeKey](#) Property

Gets or sets the primary key in the Node staging tables.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeKey { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsUnitRecord](#).UnitDescription Property

Gets or sets a description of the emissions unit.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitDescription { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisEmissionsUnitRecord.UnitDesignCapacity Property

Gets or sets the measure of the size of the unit based on the maximum continuous throughput capacity of the unit.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? UnitDesignCapacity { get; set; }
```

Property Value

Nullable(Decimal)

See Also

Reference

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisEmissionsUnitRecord.UnitDesignCapacityUnitofMeasureCode Property

Gets or sets the unit of measure for the design capacity of the emissions unit.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitDesignCapacityUnitofMeasureCode { get; set; }
```

Property Value

String

See Also

Reference

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsUnitRecord](#).UnitIdentifier Property

Gets or sets the agency unit id (CCC-FFFF-UUU).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisEmissionsUnitRecord.UnitStatusCode Property

Gets or sets code that identifies the operating status of the emissions unit. Node column: CERS_EMIS_UNIT.UNIT_STAT_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitStatusCode { get; set; }
```

Property Value

String

See Also

Reference

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisEmissionsUnitRecord](#).UnitStatusCodeYear Property

Gets or sets the year in which the unit status became applicable. Node column: CERS_EMIS_UNIT.UNIT_STAT_CODE_YEAR.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? UnitStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

See Also

Reference

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisEmissionsUnitRecord.UnitTypeCode Property

Gets or sets a code that identifies the type of emissions unit activity.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitTypeCode { get; set; }
```

Property Value

String

See Also

Reference

[CaisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisFacade Class

Object containing data downloaded from CAIS.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class CaisFacade
```

Inheritance **Object** → **CaisFacade**

Constructors

CaisFacade	Initializes a new instance of the CaisFacade class
----------------------------	---

Properties

EmissionsProcessRecords	Gets a list of emissions process records.
EmissionsUnitRecords	Gets a list of emissions unit records.
FacilitySiteRecords	Gets a list of facility site records.
ProcessPollutantRecords	Gets a list of pollutant/control records.
ReleasePointRecords	Gets a list of release point records.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

CaisToNodeCore Object Model

See Also

Reference

[CaisToNodeCore.Models.Cais Namespace](#)

CaisFacade Constructor

Initializes a new instance of the [CaisFacade](#) class

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisFacade()
```

See Also

Reference

[CaisFacade Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisFacade.EmissionsProcessRecords Property

Gets a list of emissions process records.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<CaisEmissionsProcessRecord> EmissionsProcessRecords { get; }
```

Property Value

[List\(CaisEmissionsProcessRecord\)](#)

See Also

[Reference](#)

[CaisFacade Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisFacade.EmissionsUnitRecords Property

Gets a list of emissions unit records.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<CaisEmissionsUnitRecord> EmissionsUnitRecords { get; }
```

Property Value

[List\(CaisEmissionsUnitRecord\)](#)

See Also

Reference

[CaisFacade Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisFacade.FacilitySiteRecords Property

Gets a list of facility site records.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<CaisFacilitySiteRecord> FacilitySiteRecords { get; }
```

Property Value

[List\(CaisFacilitySiteRecord\)](#)

See Also

[Reference](#)

[CaisFacade Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisFacade.ProcessPollutantRecords Property

Gets a list of pollutant/control records.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<CaisProcessPollutantRecord> ProcessPollutantRecords { get; }
```

Property Value

[List\(CaisProcessPollutantRecord\)](#)

See Also

[Reference](#)

[CaisFacade Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacade](#).ReleasePointRecords Property

Gets a list of release point records.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<CaisReleasePointRecord> ReleasePointRecords { get; }
```

Property Value

[List\(CaisReleasePointRecord\)](#)

See Also

[Reference](#)

[CaisFacade Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisFacilitySiteRecord Class

Represents a plant-level information record downloaded from CAIS.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class CaisFacilitySiteRecord
```

Inheritance **Object** → **CaisFacilitySiteRecord**

Constructors

CaisFacilitySiteRecord	Initializes a new instance of the CaisFacilitySiteRecord class
--	---

Properties

AerrSourceType	Gets or sets source's AERR source type code.
CaisPlantOperatingStatus	Gets or sets the plant's operating status from CAIS.
CountyFipsCode	Gets or sets the plant's county FIPS code.
EISFacilitySiteIdentifier	Gets or sets the EPA Facility ID.
FacilityCategoryCode	Gets or sets facility category code for major or synthetic minor status.
FacilitySiteIdentifier	Gets or sets the Agency facility ID, (ICIS Air format).
FacilitySiteName	Gets or sets the facility name.
FacilitySiteStatusCode	Gets or sets the operating status code.
FacilitySiteStatusCodeYear	Gets or sets the year that the status code changed.
HasEmissions	Gets or sets a value indicating whether facility has any emissions.
LatitudeMeasure	Gets or sets the location latitude.
LocalityName	Gets or sets the city name.
LocationAddressCountyFipsCode	Gets or sets the plant address county FIPS code.
LocationAddressPostalCode	Gets or sets the location address zip code.
LocationAddressStateCode	Gets or sets the location postal state code.
LocationAddressText	Gets or sets the location address first line.
LongitudeMeasure	Gets or sets location longitude.
NAICSCode	Gets or sets facility NAICS code.
NodeKeyFacilityInventory	Gets or sets the primary key in the Node staging tables for facility inventory submittal.

CisToNodeCore Object Model

NodeKeyPointEmissions	Gets or sets the primary key in the Node staging tables for point emissions submittal.
PteCO	Gets or sets the potential plant-wide emissions of carbon monoxide.
PteNH3	Gets or sets the potential plant-wide emissions of ammonia.
PteNOX	Gets or sets the potential plant-wide emissions of nitrogen oxides.
PtePB	Gets or sets the potential plant-wide emissions of lead and lead compounds.
PtePM10	Gets or sets the potential plant-wide emissions of particulates finer than 10 micron.
PtePM25	Gets or sets the potential plant-wide emissions of particulates finer than 2.5 micron.
PteSO2	Gets or sets the potential plant-wide emissions of sulfur dioxide.
PteVOC	Gets or sets the potential plant-wide emissions of volatile organic compounds.
SupplementalLocationText	Gets or sets the location address second line.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord](#) Constructor

Initializes a new instance of the [CaisFacilitySiteRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisFacilitySiteRecord()
```

See Also

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.AerrSourceType Property](#)

Gets or sets source's AERR source type code.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public AerrSourceType AerrSourceType { get; set; }
```

Property Value

[AerrSourceType](#)

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.CaisPlantOperatingStatus Property](#)

Gets or sets the plant's operating status from CAIS.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CaisPlantOperatingStatus { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.CountyFipsCode](#) Property

Gets or sets the plant's county FIPS code.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CountyFipsCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.EISFacilitySiteIdentifier](#) Property

Gets or sets the EPA Facility ID.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EISFacilitySiteIdentifier { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.FacilityCategoryCode](#) Property

Gets or sets facility category code for major or synthetic minor status.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilityCategoryCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.FacilitySiteIdentifier](#) Property

Gets or sets the Agency facility ID, (ICIS Air format).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteIdentifier { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.FacilitySiteName Property](#)

Gets or sets the facility name.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteName { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.FacilitySiteStatusCode](#) Property

Gets or sets the operating status code.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteStatusCode { get; set; }
```

Property Value

String

See Also

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.FacilitySiteStatusCodeYear Property](#)

Gets or sets the year that the status code changed.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? FacilitySiteStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

[Remarks](#)

Not derived from CAIS, placeholder.

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.HasEmissions Property](#)

Gets or sets a value indicating whether facility has any emissions.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public bool HasEmissions { get; set; }
```

Property Value

Boolean

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord](#).LatitudeMeasure Property

Gets or sets the location latitude.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal LatitudeMeasure { get; set; }
```

Property Value

Decimal

See Also

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.LocalityName Property](#)

Gets or sets the city name.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocalityName { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.LocationAddressCountyFipsCode](#) Property

Gets or sets the plant address county FIPS code.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressCountyFipsCode { get; set; }
```

Property Value

String

See Also

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.LocationAddressPostalCode](#) Property

Gets or sets the location address zip code.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressPostalCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.LocationAddressStateCode](#) Property

Gets or sets the location postal state code.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressStateCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.LocationAddressText Property](#)

Gets or sets the location address first line.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressText { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord](#).LongitudeMeasure Property

Gets or sets location longitude.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal LongitudeMeasure { get; set; }
```

Property Value

Decimal

See Also

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.NAICSCode](#) Property

Gets or sets facility NAICS code.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NAICSCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.NodeKeyFacilityInventory Property](#)

Gets or sets the primary key in the Node staging tables for facility inventory submittal.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeKeyFacilityInventory { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.NodeKeyPointEmissions Property](#)

Gets or sets the primary key in the Node staging tables for point emissions submittal.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeKeyPointEmissions { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.PteCO Property](#)

Gets or sets the potential plant-wide emissions of carbon monoxide.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal PteCO { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.PteNH3 Property](#)

Gets or sets the potential plant-wide emissions of ammonia.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal PteNH3 { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.PteNOX Property](#)

Gets or sets the potential plant-wide emissions of nitrogen oxides.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal PteNOX { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.PtePB Property](#)

Gets or sets the potential plant-wide emissions of lead and lead compounds.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal PtePB { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.PtePM10 Property](#)

Gets or sets the potential plant-wide emissions of particulates finer than 10 micron.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal PtePM10 { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.PtePM25 Property](#)

Gets or sets the potential plant-wide emissions of particulates finer than 2.5 micron.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal PtePM25 { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.PteSO2 Property](#)

Gets or sets the potential plant-wide emissions of sulfur dioxide.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal PteSO2 { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord.PteVOC Property](#)

Gets or sets the potential plant-wide emissions of volatile organic compounds.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal PteVOC { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisFacilitySiteRecord](#).SupplementalLocationText Property

Gets or sets the location address second line.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SupplementalLocationText { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisManager Class

Manages data downloaded from CAIS.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class CaisManager : ICaisManager
```

Inheritance **Object** → **CaisManager**

Implements [ICaisManager](#)

Constructors

CaisManager	Initializes a new instance of the CaisManager class.
-----------------------------	--

Properties

ExcludedNonPointFacilities	Gets list of Agency facility IDs to be excluded.
Facade	Gets object containing data downloaded from CAIS.
IncludedFacilities	Gets list of Agency facility IDs to be included.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
FetchEmissionsProcessAsync	Retrieves EmissionsProcessProcessor data from CAIS and stores to the facade.
FetchEmissionsUnitAsync	Retrieves EmissionsUnit (point) data from CAIS and stores to the facade.
FetchFacilitySiteAsync	Retrieves FacilitySite data from CAIS and stores to the facade.
FetchProcessPollutantAsync	Retrieves process pollutant (and control) data from CAIS and stores to the facade.
FetchReleasePointAsync	Retrieves ReleasePoint (stack) data from CAIS and stores to the facade.
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)

CisToNodeCore Object Model

GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
<u>LoadPlantIdListsFromXlsx(List(String), String, String, String, Int32)</u>	Populates a facility agency ID list from an Excel spreadsheet.
<u>LoadPlantIdListsFromXlsx(List(String), String, String, String, String, Int32)</u>	Populates a facility agency ID list from an Excel spreadsheet.
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Cais Namespace](#)

CaisManager Constructor

Initializes a new instance of the [CaisManager](#) class.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisManager(  
    ISettingsManager settingsManager,  
    IConnectionManager connectionManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Object containing settings and preferences.

connectionManager [IConnectionManager](#)

Object providing decryption functionality.

See Also

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisManager.ExcludedNonPointFacilities Property](#)

Gets list of Agency facility IDs to be excluded.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<string> ExcludedNonPointFacilities { get; }
```

Property Value

List(String)

Implements

[ICaisManager.ExcludedNonPointFacilities](#)

[Remarks](#)

Plants not included in extraction. Typically these would be plants covered in non-point submittal.

[See Also](#)

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisManager.Facade Property](#)

Gets object containing data downloaded from CAIS.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisFacade Facade { get; private set; }
```

Property Value

[CaisFacade](#)

Implements

[ICaisManager.Facade](#)

[See Also](#)

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisManager.IncludedFacilities Property](#)

Gets list of Agency facility IDs to be included.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<string> IncludedFacilities { get; }
```

Property Value

List(String)

Implements

[ICaisManager.IncludedFacilities](#)

[Remarks](#)

If populated, extraction will be limited to those plants on the list.

[See Also](#)

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisManager.FetchEmissionsProcessAsync Method](#)

Retrieves EmissionsProcessProcessor data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task FetchEmissionsProcessAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[ICaisManager.FetchEmissionsProcessAsync\(\)](#)

[See Also](#)

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisManager.FetchEmissionsUnitAsync Method](#)

Retrieves EmissionsUnit (point) data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task FetchEmissionsUnitAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[ICaisManager.FetchEmissionsUnitAsync\(\)](#)

[See Also](#)

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisManager.FetchFacilitySiteAsync Method](#)

Retrieves FacilitySite data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task FetchFacilitySiteAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[ICaisManager.FetchFacilitySiteAsync\(\)](#)

[See Also](#)

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisManager.FetchProcessPollutantAsync Method](#)

Retrieves process pollutant (and control) data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task FetchProcessPollutantAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[ICaisManager.FetchProcessPollutantAsync\(\)](#)

[See Also](#)

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisManager.FetchReleasePointAsync Method](#)

Retrieves ReleasePoint (stack) data from CAIS and stores to the facade.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task FetchReleasePointAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[ICaisManager.FetchReleasePointAsync\(\)](#)

[See Also](#)

[Reference](#)

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisManager.LoadPlantIdListsFromXlsx(List<String>, String, String, String, Int32) Method

Populates a facility agency ID list from an Excel spreadsheet.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void LoadPlantIdListsFromXlsx(
    List<string> idList,
    string xlsxFileName,
    string worksheet,
    string facilityIdColumn,
    int firstRow
)
```

Parameters

idList List(String)

The list to be populated.

xlsxFileName String

Full path to xlsx file containing IDs.

worksheet String

The name of the worksheet tab containing IDs.

facilityIdColumn String

The spreadsheet column containing the Plant IDs.

firstRow Int32

The first row containing ID data.

Implements

[ICaisManager.LoadPlantIdListsFromXlsx\(List\(String\), String, String, String, Int32\)](#)

Remarks

The identifier must be the full ID including the county part.

See Also

Reference

[CaisManager Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisManager.LoadPlantIdListsFromXlsx(List<String>, String, String, String, String, Int32) Method

Populates a facility agency ID list from an Excel spreadsheet.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void LoadPlantIdListsFromXlsx(
    List<string> idList,
    string xlsxFileName,
    string worksheet,
    string countyIdColumn,
    string plantIdColumn,
    int firstRow
)
```

Parameters

idList **List<String>**

The list to be populated.

xlsxFileName **String**

Full path to xlsx file containing IDs.

worksheet **String**

The name of the worksheet tab containing IDs.

countyIdColumn **String**

The spreadsheet column containing the county FIPS IDs.

plantIdColumn **String**

The spreadsheet column containing the Plant IDs.

firstRow **Int32**

The first row containing ID data.

Implements

[ICaisManager.LoadPlantIdListsFromXlsx\(List<String>, String, String, String, String, Int32\)](#)

Remarks

If the county ID column is null, blank, or the same as the plantIdColumn the plant ID will be assumed to be the full ID including the county part.

See Also

Reference

[CaisManager Class](#)

CisToNodeCore Object Model

[CaisToNodeCore.Models.Cais Namespace](#)

CaisProcessPollutantRecord Class

Represents emissions and control equipment data from CAIS.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class CaisProcessPollutantRecord
```

Inheritance **Object** → **CaisProcessPollutantRecord**

Constructors

CaisProcessPollutantRecord	Initializes a new instance of the CaisProcessPollutantRecord class
--	---

Properties

ControlMeasureCodePrimary	Gets or sets code that identifies the primary piece of equipment or practice that is used to reduce one or more pollutants.
ControlMeasureCodeSecondary	Gets or sets code that identifies the secondary piece of equipment or practice that is used to reduce one or more pollutants.
CountyFipsCode	Gets or sets the plant's county FIPS code.
EmissionCalculationMethodCode	Gets or sets a code representing the method used to calculate the emissions.
FacilitySiteIdentifier	Gets or sets the Agency facility ID, (ICIS Air format).
FacilitySiteName	Gets or sets the facility name.
FederalHap	Gets or sets a value indicating whether the pollutant is a federally listed hazardous air pollutant.
NodeKey	Gets or sets the primary key in the Node staging tables.
PercentControlMeasuresReductionEfficiency	Gets or sets the percent reduction achieved for the pollutant when all control measures are operating as designed.
PollutantCode	Gets or sets the code for the pollutant.
ProcessIdentifier	Gets or sets the agency process id (CCC-FFFF-UUU-PP).
ProcessLimit	Gets or sets the process-level permit limit.
ProcessPte	Gets or sets the process-level potential to emit.
PtsPointTypeCode	Gets or sets the PTS point type code.

CisToNodeCore Object Model

<u>ReleasePointIdentifier</u>	Gets or sets the agency release point id (CCC-FFFF-SRRR) of the associated stack.
<u>TotalEmissions</u>	Gets or sets the pollutant emissions in tons per year.
<u>UnitHoursPerYear</u>	Gets or sets the unit-level annual operating hours.
<u>UnitIdentifier</u>	Gets or sets the agency unit id (CCC-FFFF-UUUU).
<u>UnitLimit</u>	Gets or sets the unit-level permit limit.
<u>UnitPte</u>	Gets or sets the unit-level potential to emit.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord Constructor](#)

Initializes a new instance of the [CaisProcessPollutantRecord](#) class

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisProcessPollutantRecord()
```

[See Also](#)

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord](#).ControlMeasureCodePrimary Property

Gets or sets code that identifies the primary piece of equipment or practice that is used to reduce one or more pollutants.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlMeasureCodePrimary { get; set; }
```

Property Value

String

See Also

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.ControlMeasureCodeSecondary Property](#)

Gets or sets code that identifies the secondary piece of equipment or practice that is used to reduce one or more pollutants.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlMeasureCodeSecondary { get; set; }
```

Property Value

String

[See Also](#)

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.CountyFipsCode](#) Property

Gets or sets the plant's county FIPS code.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CountyFipsCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.EmissionCalculationMethodCode](#) Property

Gets or sets a code representing the method used to calculate the emissions.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionCalculationMethodCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.FacilitySiteIdentifier](#) Property

Gets or sets the Agency facility ID, (ICIS Air format).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.FacilitySiteName](#) Property

Gets or sets the facility name.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteName { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.FederalHap](#) Property

Gets or sets a value indicating whether the pollutant is a federally listed hazardous air pollutant.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public bool FederalHap { get; set; }
```

Property Value

Boolean

See Also

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.NodeKey](#) Property

Gets or sets the primary key in the Node staging tables.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeKey { get; set; }
```

Property Value

String

See Also

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.PercentControlMeasuresReductionEfficiency Property](#)

Gets or sets the percent reduction achieved for the pollutant when all control measures are operating as designed.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlMeasuresReductionEfficiency { get; set; }
```

Property Value

Nullable(Decimal)

See Also

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.PollutantCode](#) Property

Gets or sets the code for the pollutant.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PollutantCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.ProcessIdentifier Property](#)

Gets or sets the agency process id (CCC-FFFF-UUU-PP).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.ProcessLimit Property](#)

Gets or sets the process-level permit limit.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? ProcessLimit { get; set; }
```

Property Value

Nullable(Decimal)

[Remarks](#)

Needed to calculate plant-level PTE.

[See Also](#)

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.ProcessPte Property](#)

Gets or sets the process-level potential to emit.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? ProcessPte { get; set; }
```

Property Value

Nullable(Decimal)

[Remarks](#)

Needed to calculate plant-level PTE.

[See Also](#)

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.PtsPointTypeCode](#) Property

Gets or sets the PTS point type code.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PtsPointTypeCode { get; set; }
```

Property Value

String

[Remarks](#)

Needed to calculate plant-level PTE.

[See Also](#)

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord](#).ReleasePointIdentifier Property

Gets or sets the agency release point id (CCC-FFFF-SRRR) of the associated stack.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord.TotalEmissions](#) Property

Gets or sets the pollutant emissions in tons per year.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal TotalEmissions { get; set; }
```

Property Value

Decimal

[See Also](#)

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord](#).UnitHoursPerYear Property

Gets or sets the unit-level annual operating hours.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int UnitHoursPerYear { get; set; }
```

Property Value

Int32

Remarks

Needed to calculate plant-level PTE.

See Also

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord](#).UnitIdentifier Property

Gets or sets the agency unit id (CCC-FFFF-UUU).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord](#).UnitLimit Property

Gets or sets the unit-level permit limit.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? UnitLimit { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Needed to calculate plant-level PTE.

See Also

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisProcessPollutantRecord](#).UnitPte Property

Gets or sets the unit-level potential to emit.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? UnitPte { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Needed to calculate plant-level PTE.

See Also

Reference

[CaisProcessPollutantRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisReleasePointRecord Class

Represents Release Point (Stack in CAIS) record from CAIS.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class CaisReleasePointRecord
```

Inheritance **Object** → **CaisReleasePointRecord**

Constructors

CaisReleasePointRecord	Initializes a new instance of the CaisReleasePointRecord class
--	---

Properties

EisStackTypeCode	Gets or sets the EIS code that identifies the type of release point.
FacilitySiteIdentifier	Gets or sets the Agency facility ID, (ICIS Air format).
HasEmissions	Gets or sets a value indicating whether the stack has emissions for the inventory year.
NodeKey	Gets or sets the primary key in the Node staging tables.
PreferVelocity	Gets or sets a value indicating whether velocity should be reported rather than flowrate and diameter.
ReleasePointExitGasFlowRateMeasure	Gets or sets the value of the stack gas flow rate.
ReleasePointExitGasTemperatureMeasure	Gets or sets the temperature of an exit gas stream (measured in degrees Fahrenheit).
ReleasePointExitGasVelocityMeasure	Gets or sets the velocity of an exit gas stream.
ReleasePointFugitiveHeightMeasure	Gets or sets the release height of a fugitive source.
ReleasePointIdentifier	Gets or sets the agency release point id (CCC-FFFF-SRRR).
ReleasePointStackDiameterMeasure	Gets or sets the internal diameter of the stack at the release height.
ReleasePointStackHeightMeasure	Gets or sets the height of the stack from the ground.
ReleasePointStatusCode	Gets or sets code that identifies the operating status of the release point.
ReleasePointStatusCodeYear	Gets or sets the year in which the release point status became applicable.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord](#) Constructor

Initializes a new instance of the [CaisReleasePointRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public CaisReleasePointRecord()
```

See Also

Reference

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord.EisStackTypeCode Property](#)

Gets or sets the EIS code that identifies the type of release point.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EisStackTypeCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord.FacilitySiteIdentifier](#) Property

Gets or sets the Agency facility ID, (ICIS Air format).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord.HasEmissions Property](#)

Gets or sets a value indicating whether the stack has emissions for the inventory year.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public bool HasEmissions { get; set; }
```

Property Value

Boolean

[See Also](#)

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord.NodeKey Property](#)

Gets or sets the primary key in the Node staging tables.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeKey { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord.PreferVelocity Property](#)

Gets or sets a value indicating whether velocity should be reported rather than flowrate and diameter.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public bool PreferVelocity { get; set; }
```

Property Value

Boolean

[See Also](#)

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord](#).ReleasePointExitGasFlowRateMeasure Property

Gets or sets the value of the stack gas flow rate.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal ReleasePointExitGasFlowRateMeasure { get; set; }
```

Property Value

Decimal

See Also

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisReleasePointRecord.ReleasePointExitGasTemperatureMeasure Property

Gets or sets the temperature of an exit gas stream (measured in degrees Fahrenheit).

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal ReleasePointExitGasTemperatureMeasure { get; set; }
```

Property Value

Decimal

See Also

Reference

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord](#).ReleasePointExitGasVelocityMeasure Property

Gets or sets the velocity of an exit gas stream.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal ReleasePointExitGasVelocityMeasure { get; set; }
```

Property Value

Decimal

See Also

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord](#).ReleasePointFugitiveHeightMeasure Property

Gets or sets the release height of a fugitive source.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal ReleasePointFugitiveHeightMeasure { get; set; }
```

Property Value

Decimal

See Also

Reference

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord](#).ReleasePointIdentifier Property

Gets or sets the agency release point id (CCC-FFFF-SRRR).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord](#).ReleasePointStackDiameterMeasure Property

Gets or sets the internal diameter of the stack at the release height.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal ReleasePointStackDiameterMeasure { get; set; }
```

Property Value

Decimal

See Also

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord](#).ReleasePointStackHeightMeasure Property

Gets or sets the height of the stack from the ground.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal ReleasePointStackHeightMeasure { get; set; }
```

Property Value

Decimal

See Also

[Reference](#)

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

[CaisReleasePointRecord](#).ReleasePointStatusCode Property

Gets or sets code that identifies the operating status of the release point.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStatusCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_STAT_CODE.

See Also

Reference

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisReleasePointRecord.ReleasePointStatusCodeYear Property

Gets or sets the year in which the release point status became applicable.

Definition

Namespace: [CaisToNodeCore.Models.Cais](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ReleasePointStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Node table: CERS_REL_PT.REL_PT_STAT_CODE_YEAR.

See Also

Reference

[CaisReleasePointRecord Class](#)

[CaisToNodeCore.Models.Cais Namespace](#)

CaisToNodeCore.Models.EisSnapshot Namespace

CaisToNode EisSnapshot model objects.

Classes

EisCersRecord	CERS Root record. Node table: CERS_CERS.
EisControlMeasureLookupRecord	Code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.
EisControlMeasureRecord	Identifies the specific control devices or practices that are applied to an emission stream after capture and routing.
EisControlPathDefinitionRecord	Determines how the FacilitySiteControls relate to each other at the facility. The order of the controls must be specified. In cases where the emissions stream splits, the percentage of the emissions stream must be specified. This splitting of the emissions stream will cause the controls to be working in parallel until the stream meet later in the path definition. Due to the potential complicated configurations of controls, a given path definition may utilize site controls or other path definitions.
EisControlPollutantRecord	Identifies the pollutants reduced by the control measures and their reduction amounts.
EisEmissionsUnitRecord	Identifies an activity, stationary article, process equipment, machine, or other device from which air pollutants emanate or are emitted either directly or indirectly into the environment at the facility site.
EisFacilityIdentificationRecord	Row of FacilityIdentification table. Node table: CERS_FAC_IDEN.
EisFacilityNaicsRecord	Row in FacilityNAICS table (CERS_FAC_NAICS).
EisFacilitySiteAddressRecord	Row in FacilityAddress table (CERS_FAC_SITE_ADDR).
EisFacilitySiteControlRecord	Row in FacilityNAICS table (New in CERS V2).
EisFacilitySitePathRecord	Identifies an activity, stationary article, process equipment, machine, or other device from which air pollutants emanate or are emitted either directly or indirectly into the environment at the facility site.
EisFacilitySiteRecord	Row of FacilitySite table. Node table: CERS_FAC_SITE.
EisNaicsLookupRecord	The code that represents a subdivision of an industry that accommodates user needs in the United States.
EisProcessControlApproachRecord	Identifies the overall control system or approach, including capture effectiveness, where applied at an emissions unit activity or process to reduce the amount of pollutants released into the environment.
EisReleasePointApportionmentRecord	The percent of emissions for an emissions process that are vented through the emissions release point.

CisToNodeCore Object Model

<u>EisReleasePointRecord</u>	Identifies the point at which emissions are released into the environment, via a stack or fugitive release.
<u>EisSccLookupRecord</u>	The 8 or 10-digit EPA Code that describes an emission process.
<u>EisUnitEmissionsProcessRecord</u>	Identifies the specific operational activities that produce emissions either directly or indirectly.
<u>EisUnitTypeLookupRecord</u>	Code that identifies the type of emissions unit activity.
<u>Snapshot</u>	An object containing EIS Snapshot data downloaded from EPA.
<u>SnapshotManager</u>	Manages and contains an EIS Snapshot.
<u>SnapshotManagerExtensions</u>	Extensions for the SnapshotManager class.

EisCersRecord Class

CERS Root record. Node table: CERS_CERS.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisCersRecord : IEquatable<EisCersRecord>
```

Inheritance **Object** → **EisCersRecord**

Implements **IEquatable(EisCersRecord)**

Constructors

EisCersRecord	Initializes a new instance of the EisCersRecord class
-------------------------------	---

Properties

DataCategory	Gets the submittal data category: "FacilityInventory" or "Point". Node column: DATA_CATEGORY.
EmissionsCreationDate	Gets date that the data being submitted were created, or the date when the model generating the data was run. Node column: EMIS_CRTN_DATE.
EmissionsYear	Gets the year of the submitted emissions. Node column: EMIS_YEAR.
Model	Gets the name of the model or the conversion tool used for generating the emissions data. Node column: MODEL.
ModelVersion	Gets the version of the model or conversion tool. Node column: MODEL_VERS.
ProgramSystemCode	Gets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.
SubmittalComment	Gets any comments regarding the file submission. Node column: SUBM_CMNT.
UserIdentifier	Gets unique identifier of a user record. This identifier is assigned by the receiving system and is unique for each user. Permissions for updating data are granted based on the user identification. Node column: USER_IDEN.
XmlKey	Gets the primary key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)

MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
------------------------	--

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord Constructor

Initializes a new instance of the [EisCersRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisCersRecord()
```

See Also

Reference

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.DataCategory Property

Gets the submittal data category: "FacilityInventory" or "Point". Node column: DATA_CATEGORY.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string DataCategory { get; init; }
```

Property Value

String

See Also

Reference

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.EmissionsCreationDate Property

Gets date that the data being submitted were created, or the date when the model generating the data was run. Node column: EMIS_CRTN_DATE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EmissionsCreationDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

[Reference](#)

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.EmissionsYear Property

Gets the year of the submitted emissions. Node column: EMIS_YEAR.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int EmissionsYear { get; init; }
```

Property Value

Int32

See Also

Reference

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.Model Property

Gets the name of the model or the conversion tool used for generating the emissions data. Node column: MODEL.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Model { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.ModelVersion Property

Gets the version of the model or conversion tool. Node column: MODEL_VERS.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ModelVersion { get; init; }
```

Property Value

String

See Also

Reference

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.ProgramSystemCode Property

Gets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProgramSystemCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.SubmittalComment Property

Gets any comments regarding the file submission. Node column: SUBM_CMNT.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SubmittalComment { get; init; }
```

Property Value

String

See Also

Reference

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.UserIdenifier Property

Gets unique identifier of a user record. This identifier is assigned by the receiving system and is unique for each user. Permissions for updating data are granted based on the user identification. Node column: USER_IDEN.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UserIdenifier { get; init; }
```

Property Value

String

See Also

Reference

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisCersRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisCersRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureLookupRecord Class

Code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisControlMeasureLookupRecord :  
IEquatable<EisControlMeasureLookupRecord>
```

Inheritance **Object** → **EisControlMeasureLookupRecord**

Implements **IEquatable(EisControlMeasureLookupRecord)**

Constructors

EisControlMeasureLookupRecord	Initializes a new instance of the EisControlMeasureLookupRecord class
---	--

Properties

ControlMeasureCode	Gets the control measure code.
Description	Gets the control measure code description .
LastInventoryYear	Gets the last inventory year this record was valid.
LastUpdatedDate	Gets the last date record was updated by the EPA.
MapTo	Gets an alternate value for retired codes.
PollutantType	Gets the applicable pollutant type(s).

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

[Reference](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureLookupRecord Constructor

Initializes a new instance of the [EisControlMeasureLookupRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisControlMeasureLookupRecord()
```

See Also

Reference

[EisControlMeasureLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureLookupRecord.ControlMeasureCode Property

Gets the control measure code.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlMeasureCode { get; init; }
```

Property Value

String

See Also

Reference

[EisControlMeasureLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureLookupRecord.Description Property

Gets the control measure code description .

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Description { get; init; }
```

Property Value

String

See Also

Reference

[EisControlMeasureLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureLookupRecord.LastInventoryYear Property

Gets the last inventory year this record was valid.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LastInventoryYear { get; init; }
```

Property Value

String

See Also

Reference

[EisControlMeasureLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureLookupRecord.LastUpdatedDate Property

Gets the last date record was updated by the EPA.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LastUpdatedDate { get; init; }
```

Property Value

String

See Also

Reference

[EisControlMeasureLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureLookupRecord.MapTo Property

Gets an alternate value for retired codes.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MapTo { get; init; }
```

Property Value

String

See Also

Reference

[EisControlMeasureLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureLookupRecord.PollutantType Property

Gets the applicable pollutant type(s).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PollutantType { get; init; }
```

Property Value

String

See Also

Reference

[EisControlMeasureLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureRecord Class

Identifies the specific control devices or practices that are applied to an emission stream after capture and routing.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisControlMeasureRecord : IEquatable<EisControlMeasureRecord>
```

Inheritance **Object** → **EisControlMeasureRecord**

Implements **IEquatable(EisControlMeasureRecord)**

Constructors

EisControlMeasureRecord	Initializes a new instance of the EisControlMeasureRecord class
---	--

Properties

ControlMeasureCode	Gets the code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureRecord Constructor

Initializes a new instance of the [EisControlMeasureRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisControlMeasureRecord()
```

See Also

Reference

[EisControlMeasureRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureRecord.ControlMeasureCode Property

Gets the code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlMeasureCode { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMS_UNT_PRC_CTR_APP_CT_MS.CTRL_MEAS_CODE.

See Also

Reference

[EisControlMeasureRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlMeasureRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisControlMeasureRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord Class

Determines how the FacilitySiteControls relate to each other at the facility. The order of the controls must be specified. In cases where the emissions stream splits, the percentage of the emissions stream must be specified. This splitting of the emissions stream will cause the controls to be working in parallel until the stream meet later in the path definition. Due to the potential complicated configurations of controls, a given path definition may utilize site controls or other path definitions.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisControlPathDefinitionRecord
```

Inheritance **Object** → [EisControlPathDefinitionRecord](#)

Constructors

EisControlPathDefinitionRecord	Initializes a new instance of the EisControlPathDefinitionRecord class
--	--

Properties

AveragePercentApportionment	Gets the average percent apportionment.
ControlPathDefinitionControlAgencyID	Gets the path's associated agency control ID.
ControlPathDefinitionControlAgencyIDEffectiveDate	Gets the effective date for the agency control ID association.
ControlPathDefinitionControlEpaID	Gets the path's associated EIS control ID.
ControlPathDefinitionControlEpaIDEffectiveDate	Gets the effective date for the EIS control ID association.
SequenceNumber	Gets a sequence number.
XmlKey	Gets the primary key (sequence) in the XML downloaded file.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)

CisToNodeCore Object Model

GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord Constructor

Initializes a new instance of the [EisControlPathDefinitionRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisControlPathDefinitionRecord()
```

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord.AveragePercentApportionment Property

Gets the average percent apportionment.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal AveragePercentApportionment { get; init; }
```

Property Value

Decimal

Remarks

The average percent of flow that is vented through a control device(or control path). Within a given control path definition for the same sequence number, the sum of all AveragePercentApportionment values must equal 100. A value of something other than 100% indicates that the stream splits to 2 or more devices and/or paths. EIS will retain 2 decimal positions of precision.

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord.ControlPathDefinitionControlAgencyID Property

Gets the path's associated agency control ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlPathDefinitionControlAgencyID { get; init; }
```

Property Value

String

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord.ControlPathDefinitionControlAgencyIDEffectiveDate Property

Gets the effective date for the agency control ID association.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlPathDefinitionControlAgencyIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord.ControlPathDefinitionControlEpaID Property

Gets the path's associated EIS control ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlPathDefinitionControlEpaID { get; init; }
```

Property Value

String

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord.ControlPathDefinitionControlEpaIDEffectiveDate Property

Gets the effective date for the EIS control ID association.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlPathDefinitionControlEpaIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord.SequenceNumber Property

Gets a sequence number.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int SequenceNumber { get; init; }
```

Property Value

Int32

Remarks

Required. An integer defining the order in which the given path or control device is encountered by the stream. Records with the same sequence number within the same path definition indicates that the devices are operating in parallel.

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPathDefinitionRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPollutantRecord Class

Identifies the pollutants reduced by the control measures and their reduction amounts.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisControlPollutantRecord : IEquatable<EisControlPollutantRecord>
```

Inheritance **Object** → **EisControlPollutantRecord**

Implements **IEquatable(EisControlPollutantRecord)**

Constructors

EisControlPollutantRecord	Initializes a new instance of the EisControlPollutantRecord class
---	--

Properties

PercentControlMeasuresReductionEfficiency	Gets the percent reduction achieved for the pollutant when all control measures are operating as designed.
PollutantCode	Gets the code for the pollutant which is controlled by the control measure.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPollutantRecord Constructor

Initializes a new instance of the [EisControlPollutantRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisControlPollutantRecord()
```

See Also

Reference

[EisControlPollutantRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPollutantRecord.PercentControlMeasuresReductionEfficiency Property

Gets the percent reduction achieved for the pollutant when all control measures are operating as designed.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public float? PercentControlMeasuresReductionEfficiency { get; init; }
```

Property Value

Nullable(Single)

Remarks

Node column: CERS_EMS_UNT_PRC_CTR_APP_CT_PL.PCNT_CTRL_MEAS_REDC_EFCY.

See Also

Reference

[EisControlPollutantRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPollutantRecord.PollutantCode Property

Gets the code for the pollutant which is controlled by the control measure.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PollutantCode { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMS_UNT_PRC_CTR_APP_CT_PL.POLT_CODE.

See Also

Reference

[EisControlPollutantRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisControlPollutantRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisControlPollutantRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord Class

Identifies an activity, stationary article, process equipment, machine, or other device from which air pollutants emanate or are emitted either directly or indirectly into the environment at the facility site.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisEmissionsUnitRecord : IEquatable<EisEmissionsUnitRecord>
```

Inheritance **Object** → [EisEmissionsUnitRecord](#)

Implements **IEquatable**([EisEmissionsUnitRecord](#))

Constructors

EisEmissionsUnitRecord	Initializes a new instance of the EisEmissionsUnitRecord class
--	--

Properties

AgencyID	Gets the unit's agency ID.
AgencyIDEffectiveDate	Gets the date on which the agency ID became effective.
EpaID	Gets the unit's EPA ID.
EpaIDEffectiveDate	Gets the date on which the EPA ID became effective.
UnitComment	Gets comments regarding the emissions unit activity.
UnitDescription	Gets text description of the emissions unit.
UnitDesignCapacity	Gets he measure of the size of the unit based on the maximum continuous throughput capacity of the unit.
UnitDesignCapacityUnitofMeasureCode	Gets unit of measure for the design capacity of the emissions unit.
UnitStatusCode	Gets code that identifies the operating status of the emissions unit. Node column: CERS_EMIS_UNIT.UNIT_STAT_CODE.
UnitStatusCodeYear	Gets the year in which the unit status became applicable. Node column: CERS_EMIS_UNIT.UNIT_STAT_CODE_YEAR.
UnitTypeCode	Gets code that identifies the type of emissions unit activity.
XmlKey	Gets the primary key (sequence) in the XML downloaded file.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord Constructor

Initializes a new instance of the [EisEmissionsUnitRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisEmissionsUnitRecord()
```

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.AgencyID Property

Gets the unit's agency ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_IDEN.IDEN.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.AgencyIDEffectiveDate Property

Gets the date on which the agency ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? AgencyIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

Remarks

Node column: CERS_EMIS_UNIT_IDEN.EFFC_DATE.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.EpaID Property

Gets the unit's EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_IDEN.IDEN.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.EpaIDEffectiveDate Property

Gets the date on which the EPA ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EpaIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

Remarks

Node column: CERS_EMIS_UNIT_IDEN.EFFC_DATE.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.UnitComment Property

Gets comments regarding the emissions unit activity.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitComment { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT.UNIT_CMNT.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.UnitDescription Property

Gets text description of the emissions unit.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitDescription { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT.UNIT_DESC.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.UnitDesignCapacity Property

Gets he measure of the size of the unit based on the maximum continuous throughput capacity of the unit.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitDesignCapacity { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT.UNIT_TYPE_CODE.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.UnitDesignCapacityUnitofMeasureCode Property

Gets unit of measure for the design capacity of the emissions unit.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitDesignCapacityUnitofMeasureCode { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT.UNIT_DSGN_CAP_UNT_MEAS_CODE.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.UnitStatusCode Property

Gets code that identifies the operating status of the emissions unit. Node column: CERS_EMIS_UNIT.UNIT_STAT_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitStatusCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.UnitStatusCodeYear Property

Gets the year in which the unit status became applicable. Node column:
CERS_EMIS_UNIT.UNIT_STAT_CODE_YEAR.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? UnitStatusCodeYear { get; init; }
```

Property Value

Nullable(Int32)

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.UnitTypeCode Property

Gets code that identifies the type of emissions unit activity.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitTypeCode { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT.UNIT_TYPE_CODE.

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisEmissionsUnitRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisEmissionsUnitRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityIdentificationRecord Class

Row of FacilityIdentification table. Node table: CERS_FAC_IDEN.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisFacilityIdentificationRecord :  
IEquatable<EisFacilityIdentificationRecord>
```

Inheritance [Object](#) → [EisFacilityIdentificationRecord](#)

Implements [IEquatable\(EisFacilityIdentificationRecord\)](#)

Constructors

EisFacilityIdentificationRecord	Initializes a new instance of the EisFacilityIdentificationRecord class
---	---

Properties

EffectiveDate	Gets the date on which the identifier became effective. Node column: EFFC_DATE.
EndDate	Gets the date on which the identifier is no longer applicable. Node column: END_DATE.
FacilitySiteIdentifier	Gets an identifier by which the facility site is referred to by a system. Node column: FAC_SITE_IDEN.
ProgramSystemCode	Gets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.
StateAndCountryFIPSCode	Gets the code that represents a State and Country for States in Mexico and Provinces in Canada. Node column: STA_AND_CTRY_FIPS_CODE.
StateAndCountyFIPSCode	Gets the list is from FIPS Counties codes used for the identification of the Counties and County equivalents of the United States. Node column: STA_AND_CNTY_FIPS_CODE.
TribalCode	Gets the code that represents the American Indian Tribe or Alaskan Native entity. Node column: TRIB_CODE.
XmlParentKey	Gets the parent's (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
--------------------------	--

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GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityIdentificationRecord Constructor

Initializes a new instance of the [EisFacilityIdentificationRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisFacilityIdentificationRecord()
```

See Also

Reference

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisFacilityIdentificationRecord.EffectiveDate Property](#)

Gets the date on which the identifier became effective. Node column: EFFC_DATE.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

[See Also](#)

[Reference](#)

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityIdentificationRecord.EndDate Property

Gets the date on which the identifier is no longer applicable. Node column: END_DATE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EndDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisFacilityIdentificationRecord.FacilitySiteIdentifier Property](#)

Gets an identifier by which the facility site is referred to by a system. Node column: FAC_SITE_IDEN.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteIdentifier { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityIdentificationRecord.ProgramSystemCode Property

Gets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProgramSystemCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityIdentificationRecord.StateAndCountryFIPSCode Property

Gets the code that represents a State and Country for States in Mexico and Provinces in Canada. Node column: STA_AND_CTRY_FIPS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string StateAndCountryFIPSCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityIdentificationRecord.StateAndCountyFIPSCode Property

Gets the list is from FIPS Counties codes used for the identification of the Counties and County equivalents of the United States. Node column: STA_AND_CNTY_FIPS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string StateAndCountyFIPSCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityIdentificationRecord.TribalCode Property

Gets the code that represents the American Indian Tribe or Alaskan Native entity. Node column: TRIB_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string TribalCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityIdentificationRecord.XmlParentKey Property

Gets the parent's (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityNaicsRecord Class

Row in FacilityNAICS table (CERS_FAC_NAICS).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisFacilityNaicsRecord : IEquatable<EisFacilityNaicsRecord>
```

Inheritance **Object** → **EisFacilityNaicsRecord**

Implements **IEquatable(EisFacilityNaicsRecord)**

Constructors

EisFacilityNaicsRecord	Initializes a new instance of the EisFacilityNaicsRecord class
--	---

Properties

NaicsCode	Gets the NAICS code. The code that represents a subdivision of an industry that accommodates user needs in the United States. Node column: NAICS_CODE.
NaicsPrimaryIndicator	Gets the name that indicates whether the associated NAICS code represents the primary activity occurring at the facility site. Node column: NAICS_PRI_IND.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityNaicsRecord Constructor

Initializes a new instance of the [EisFacilityNaicsRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisFacilityNaicsRecord()
```

See Also

Reference

[EisFacilityNaicsRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityNaicsRecord.NaicsCode Property

Gets the NAICS code. The code that represents a subdivision of an industry that accommodates user needs in the United States. Node column: NAICS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NaicsCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilityNaicsRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityNaicsRecord.NaicsPrimaryIndicator Property

Gets the name that indicates whether the associated NAICS code represents the primary activity occurring at the facility site. Node column: NAICS_PRI_IND.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NaicsPrimaryIndicator { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilityNaicsRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilityNaicsRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilityNaicsRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord Class

Row in FacilityAddress table (CERS_FAC_SITE_ADDR).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisFacilitySiteAddressRecord : IEquatable<EisFacilitySiteAddressRecord>
```

Inheritance **Object** → **EisFacilitySiteAddressRecord**

Implements **IEquatable(EisFacilitySiteAddressRecord)**

Constructors

EisFacilitySiteAddressRecord	Initializes a new instance of the EisFacilitySiteAddressRecord class
--	---

Properties

AddressComment	Gets the parent's primary key in the node tables (ADDR_CMNT).
LocalityName	Gets the name of the city, town, village, or other locality (LOCA_NAME).
LocationAddressCountryCode	Gets a code designator used to identify a primary geopolitical unit of the world (LOC_ADDR_CTRY_CODE).
LocationAddressPostalCode	Gets the code that represents a U.S. ZIP code or International postal code (MAIL_ADDR_POST_CODE).
LocationAddressStateCode	Gets the alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico (LOC_ADDR_STA_CODE).
LocationAddressText	Gets the physical location of a facility site or organization. (LOC_ADDR_TXT).
MailingAddressCityName	Gets the name of the city or town (MAIL_ADDR_CITY_NAME).
MailingAddressCountryCode	Gets a code designator used to identify a primary geopolitical unit of the world (MAIL_ADDR_CTRY_CODE).
MailingAddressCountyText	Gets the name of the county (MAIL_ADDR_CNTY_TXT).
MailingAddressPostalCode	Gets the code that represents a U.S. ZIP code or International postal code (MAIL_ADDR_POST_CODE).
MailingAddressStateCode	Gets the alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico (MAIL_ADDR_STA_CODE).
SupplementalLocationText	Gets the text that provides additional information about a place, including a building name with its secondary unit and number, an

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	industrial park name, an installation name, or descriptive text where no formal address is available (SUPP_LOC_TXT).
<u>XmlParentKey</u>	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. <i>(Inherited from Object)</i>
GetType	Gets the Type of the current instance. <i>(Inherited from Object)</i>
MemberwiseClone	Creates a shallow copy of the current Object . <i>(Inherited from Object)</i>

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord Constructor

Initializes a new instance of the [EisFacilitySiteAddressRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisFacilitySiteAddressRecord()
```

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.AddressComment Property

Gets the parent's primary key in the node tables (ADDR_CMNT).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AddressComment { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.LocalityName Property

Gets the name of the city, town, village, or other locality (LOCA_NAME).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocalityName { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.LocationAddressCountryCode Property

Gets a code designator used to identify a primary geopolitical unit of the world (LOC_ADDR_CTRY_CODE).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressCountryCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.LocationAddressPostalCode Property

Gets the code that represents a U.S. ZIP code or International postal code (MAIL_ADDR_POST_CODE).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressPostalCode { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.LocationAddressStateCode Property

Gets the alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico (LOC_ADDR_STA_CODE).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressStateCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.LocationAddressText Property

Gets the physical location of a facility site or organization. (LOC_ADDR_TXT).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressText { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.MailingAddressCityName Property

Gets the name of the city or town (MAIL_ADDR_CITY_NAME).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressCityName { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.MailingAddressCountryCode Property

Gets a code designator used to identify a primary geopolitical unit of the world (MAIL_ADDR_CTRY_CODE).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressCountryCode { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.MailingAddressCountyText Property

Gets the name of the county (MAIL_ADDR_CNTY_TXT).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressCountyText { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.MailingAddressPostalCode Property

Gets the code that represents a U.S. ZIP code or International postal code (MAIL_ADDR_POST_CODE).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressPostalCode { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.MailingAddressStateCode Property

Gets the alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico (MAIL_ADDR_STA_CODE).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressStateCode { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.SupplementalLocationText Property

Gets the text that provides additional information about a place, including a building name with its secondary unit and number, an industrial park name, an installation name, or descriptive text where no formal address is available (SUPP_LOC_TXT).

Definition

Namespace: [CisToNodeCore.Models.EisSnapshot](#)

Assembly: CisToNodeCore (in CisToNodeCore.dll) Version: 1.0.0

C#

```
public string SupplementalLocationText { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteAddressRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord Class

Row in FacilityNAICS table (New in CERS V2).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisFacilitySiteControlRecord : IEquatable<EisFacilitySiteControlRecord>
```

Inheritance **Object** → **EisFacilitySiteControlRecord**

Implements **IEquatable(EisFacilitySiteControlRecord)**

Constructors

EisFacilitySiteControlRecord	Initializes a new instance of the EisFacilitySiteControlRecord class
--	---

Properties

AgencyID	Gets the control's agency ID.
AgencyIDEffectiveDate	Gets the date on which the agency ID became effective.
ControlComment	Gets or sets additional information about the control.
ControlEndDate	Gets or sets the date the use of the control was ended.
ControlMeasureCode	Gets or sets code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.
ControlNumberOperatingMonths	Gets or sets the number of months per year the control operates.
ControlStartDate	Gets or sets the date the control was made effective.
ControlStatusCode	Gets or sets required code that identifies the operating status of the release point.
ControlStatusCodeYear	Gets or sets the year in which the operating status became applicable.
ControlUpgradeDate	Gets or sets the date on which the control device was most recently updated.
ControlUpgradeDescription	Gets or sets the optional description of the control update performed for the control at a facility.
EpaID	Gets the control's EPA ID.
EpaIDEffectiveDate	Gets the date on which the EPA ID became effective.
PercentControlEffectiveness	Gets or sets estimate of the portion of the reporting period's activity for which the control device (including both capture and control measures) were operating as designed (regardless of whether the control measure is due to rule or voluntary).

CisToNodeCore Object Model

<u>XmlKey</u>	Gets the primary key (sequence) in the XML downloaded file.
<u>XmlParentKey</u>	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord Constructor

Initializes a new instance of the [EisFacilitySiteControlRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisFacilitySiteControlRecord()
```

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.AgencyID Property

Gets the control's agency ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyID { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.AgencyIDEffectiveDate Property

Gets the date on which the agency ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? AgencyIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.ControlComment Property

Gets or sets additional information about the control.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlComment { get; set; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.ControlEndDate Property

Gets or sets the date the use of the control was ended.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlEndDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.ControlMeasureCode Property

Gets or sets code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlMeasureCode { get; set; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.ControlNumberOperatingMonths Property

Gets or sets the number of months per year the control operates.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ControlNumberOperatingMonths { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Optional. Must be an integer between 1 and 12 if specified.

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.ControlStartDate Property

Gets or sets the date the control was made effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlStartDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.ControlStatusCode Property

Gets or sets required code that identifies the operating status of the release point.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlStatusCode { get; set; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.ControlStatusCodeYear Property

Gets or sets the year in which the operating status became applicable.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ControlStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Required if the ControlStatusCode is not "OP".

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.ControlUpgradeDate Property

Gets or sets the date on which the control device was most recently updated.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlUpgradeDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisFacilitySiteControlRecord.ControlUpgradeDescription Property](#)

Gets or sets the optional description of the control update performed for the control at a facility.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlUpgradeDescription { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.EpaID Property

Gets the control's EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaID { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.EpaIDEffectiveDate Property

Gets the date on which the EPA ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EpaIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

Remarks

Node column: CERS_EMIS_UNIT_IDEN.EFFC_DATE.

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.PercentControlEffectiveness Property

Gets or sets estimate of the portion of the reporting period's activity for which the control device (including both capture and control measures) were operating as designed (regardless of whether the control measure is due to rule or voluntary).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlEffectiveness { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Optional, but will be set to 100 if not specified. May be specified to 3 decimal positions.

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteControlRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord Class

Identifies an activity, stationary article, process equipment, machine, or other device from which air pollutants emanate or are emitted either directly or indirectly into the environment at the facility site.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisFacilitySitePathRecord : NodeRecordBase
```

Inheritance [Object](#) → [NodeRecordBase](#) → [EisFacilitySitePathRecord](#)

Constructors

EisFacilitySitePathRecord	Initializes a new instance of the EisFacilitySitePathRecord class
---	---

Properties

AgencyID	Gets the path's agency ID.
AgencyIDEffectiveDate	Gets the date on which the agency ID became effective.
EpaID	Gets the path's EPA ID.
EpaIDEffectiveDate	Gets the date on which the EPA ID became effective.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PathDescription	Gets or sets a description of a collection of control devices.
PathName	Gets or sets the common name given for a facility site path.
PercentPathEffectiveness	Gets or sets an estimate of the portion of the reporting period's activity for which the control device(s) were operating as designed (regardless of whether the control measure is due to rule or voluntary). EIS will retain 3 decimal positions of precision (truncated after the 3rd decimal position).
XmlKey	Gets the primary key (sequence) in the XML downloaded file.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
------------------------	---

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord Constructor

Initializes a new instance of the [EisFacilitySitePathRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisFacilitySitePathRecord()
```

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.AgencyID Property

Gets the path's agency ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyID { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.AgencyIDEffectiveDate Property

Gets the date on which the agency ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? AgencyIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.EpaID Property

Gets the path's EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaID { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.EpaIDEffectiveDate Property

Gets the date on which the EPA ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EpaIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.PathDescription Property

Gets or sets a description of a collection of control devices.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PathDescription { get; set; }
```

Property Value

String

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.PathName Property

Gets or sets the common name given for a facility site path.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PathName { get; set; }
```

Property Value

String

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.PercentPathEffectiveness Property

Gets or sets an estimate of the portion of the reporting period's activity for which the control device(s) were operating as designed (regardless of whether the control measure is due to rule or voluntary). EIS will retain 3 decimal positions of precision (truncated after the 3rd decimal position).

Definition

Namespace: [CisToNodeCore.Models.EisSnapshot](#)

Assembly: CisToNodeCore (in CisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentPathEffectiveness { get; set; }
```

Property Value

Nullable(Decimal)

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySitePathRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord Class

Row of FacilitySite table. Node table: CERS_FAC_SITE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisFacilitySiteRecord : IEquatable<EisFacilitySiteRecord>
```

Inheritance **Object** → **EisFacilitySiteRecord**

Implements **IEquatable(EisFacilitySiteRecord)**

Constructors

EisFacilitySiteRecord	Initializes a new instance of the EisFacilitySiteRecord class
---------------------------------------	--

Properties

AgencyID	Gets the facility's agency ID.
AgencyIDEffectiveDate	Gets the date on which the agency ID became effective.
AgencyName	Gets the name of the regulatory state or region where the facility is located in. Node column: AGN_NAME.
AreaWithinPerimeter	Gets the total area that is contained within the event perimeter for the reporting period. Node column: AREA_WTIN_PERM.
AreaWithinPerimeterUnitofMeasureCode	Gets the code that identifies the unit of measure for the area within the event perimeter. Node column: AREA_WTIN_PERM_UNT_MEAS_CODE.
AttachmentFileContentTypeCode	Gets a code describing the content type of a file. Node column: ATCH_FILE_CONT_TYPE_CODE.
AttachmentFileDescription	Gets description of file. Node column: ATCH_FILE_DESC.
AttachmentFileName	Gets the text describing the descriptive name used to represent the file, including file extension. Node column: ATCH_FILE_NAME.
AttachmentFileSize	Gets the size of the attached file. Node column: ATCH_FILE_SIZE.
CoordinateDataSourceCode	Gets the code that represents the party responsible for providing the latitude and longitude coordinates. Node column: COORD_DATA_SRC_CODE.
DataCollectionDate	Gets the calendar date when data were collected. Node column: DATA_COLL_DATE.

EpaID	Gets the facility's EPA ID.
EpaIDEffectiveDate	Gets the date on which the EPA ID became effective.
FacilityCategoryCode	Gets code that identifies the Clean Air Act Stationary Source designation. Examples include major, minor, and synthetic minor. Node column: FAC_CATG_CODE.
FacilitySiteComment	Gets any comments regarding the facility site. Node column: FAC_SITE_CMNT.
FacilitySiteDescription	Gets supplemental text that describes the facility site. Node column: FAC_SITE_DESC.
FacilitySiteName	Gets the name assigned to the facility site by the reporter. Node column: FAC_SITE_NAME.
FacilitySiteStatusCode	Gets the code that identifies the operating status of the facility site. Node column: FAC_SITE_STAT_CODE.
FacilitySiteStatusCodeYear	Gets the year in which the operating status became applicable. Node column: FAC_SITE_STAT_CODE_YEAR.
GeographicComment	Gets the text that provides additional information about the geographic coordinates. Node column: GEO_CMNT.
GeographicReferencePointCode	Gets the code that represents the place for which geographic coordinates were established. Node column: GEO_REF_PT_CODE.
GeometricTypeCode	Gets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points. Node column: GEOM_TYPE_CODE.
HorizontalAccuracyMeasure	Gets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates. Node column: HORZ_ACC_MEAS.
HorizontalAccuracyUnitofMeasure	Gets the horizontal accuracy unit of measure. Node column: HORZ_ACC_UNT_MEAS.
HorizontalCollectionMethodCode	Gets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth. Node column: HORZ_COLL_METH_CODE.
HorizontalReferenceDatumCode	Gets the code that represents the reference datum used in determining latitude and longitude coordinates. Node column: HORZ_REF_DATUM_CODE.
LatitudeMeasure	Gets the measure of the angular distance on a meridian north or south of the equator. Node column: LAT_MEAS.
LongitudeMeasure	Gets the measure of the angular distance on a meridian east or west of the prime meridian. Node column: LONG_MEAS.
PercentofAreaProducingEmissions	Gets the percent of the area within the shape or perimeter that was affected by the event (e.g., area actually blackened by a fire). Node column: PCNT_AREA_PROD_EMIS.

SectorTypeCode	Gets the associated primary sector for a facility site. Examples include: General Stationary Combustion, Energy Production, Cement Production, Waste Water Treatment, etc. Node column: SECT_TYPE_CODE.
SourceMapScaleNumber	Gets the number that represents the proportional distance on the ground for one unit of measure on the map or photo. Node column: SRC_MAP_SCALE_NUM.
VerificationMethodCode	Gets the code that represents the process used to verify the latitude and longitude coordinates. Node column: VERF_METH_CODE.
VerticalCollectionMethodCode	Gets the code that identifies the method used to collect the vertical measure (i.e., the altitude) of a reference point. Node column: VERT_COLL_METH_CODE.
VerticalMeasure	Gets the measure of elevation (i.e., the altitude), above or below a reference datum. Node column: VERT_MEAS.
VerticalReferenceDatumCode	Gets the code that represents the reference datum used to determine the vertical measure (i.e., the altitude). Node column: VERT_REF_DATUM_CODE.
VerticalUnitofMeasureCode	Gets the vertical unit of measure. (verticalunitofmeasurecode) Node column: VERT_UNT_MEAS_CODE.
XmlKey	Gets the primary key (sequence) in the XML downloaded file.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. <i>(Inherited from Object)</i>
GetType	Gets the Type of the current instance. <i>(Inherited from Object)</i>
MemberwiseClone	Creates a shallow copy of the current Object . <i>(Inherited from Object)</i>

See Also

[Reference](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord Constructor

Initializes a new instance of the [EisFacilitySiteRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisFacilitySiteRecord()
```

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AgencyID Property

Gets the facility's agency ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_IDEN.IDEN.

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AgencyIDEffectiveDate Property

Gets the date on which the agency ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? AgencyIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

Remarks

Node column: CERS_EMIS_UNIT_IDEN.EFFC_DATE.

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AgencyName Property

Gets the name of the regulatory state or region where the facility is located in. Node column: AGN_NAME.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyName { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AreaWithinPerimeter Property

Gets the total area that is contained within the event perimeter for the reporting period. Node column: AREA_WTIN_PERM.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AreaWithinPerimeter { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AreaWithinPerimeterUnitofMeasureCode Property

Gets the code that identifies the unit of measure for the area within the event perimeter. Node column: AREA_WTIN_PERM_UNT_MEAS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AreaWithinPerimeterUnitofMeasureCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AttachmentFileTypeCode Property

Gets a code describing the content type of a file. Node column: ATCH_FILE_CONT_TYPE_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AttachmentFileTypeCode { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AttachmentFileDescription Property

Gets description of file. Node column: ATCH_FILE_DESC.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AttachmentFileDescription { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AttachmentFileName Property

Gets the text describing the descriptive name used to represent the file, including file extension. Node column: ATCH_FILE_NAME.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AttachmentFileName { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.AttachmentFileSize Property

Gets the size of the attached file. Node column: ATCH_FILE_SIZE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AttachmentFileSize { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.CoordinateDataSourceCode Property

Gets the code that represents the party responsible for providing the latitude and longitude coordinates. Node column: COORD_DATA_SRC_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CoordinateDataSourceCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.DataCollectionDate Property

Gets the calendar date when data were collected. Node column: DATA_COLL_DATE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? DataCollectionDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.EpaID Property

Gets the facility's EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_IDEN.IDEN.

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.EpaIDEffectiveDate Property

Gets the date on which the EPA ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EpaIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

Remarks

Node column: CERS_EMIS_UNIT_IDEN.EFFC_DATE.

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.FacilityCategoryCode Property

Gets code that identifies the Clean Air Act Stationary Source designation. Examples include major, minor, and synthetic minor. Node column: FAC_CATG_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilityCategoryCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisFacilitySiteRecord.FacilitySiteComment Property](#)

Gets any comments regarding the facility site. Node column: FAC_SITE_CMNT.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteComment { get; init; }
```

Property Value

String

[See Also](#)

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.FacilitySiteDescription Property

Gets supplemental text that describes the facility site. Node column: FAC_SITE_DESC.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteDescription { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.FacilitySiteName Property

Gets the name assigned to the facility site by the reporter. Node column: FAC_SITE_NAME.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteName { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.FacilitySiteStatusCode Property

Gets the code that identifies the operating status of the facility site. Node column: FAC_SITE_STAT_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteStatusCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.FacilitySiteStatusCodeYear Property

Gets the year in which the operating status became applicable. Node column: FAC_SITE_STAT_CODE_YEAR.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? FacilitySiteStatusCodeYear { get; init; }
```

Property Value

Nullable(Int32)

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.GeographicComment Property

Gets the text that provides additional information about the geographic coordinates. Node column: GEO_CMNT.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicComment { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.GeographicReferencePointCode Property

Gets the code that represents the place for which geographic coordinates were established. Node column: GEO_REF_PT_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicReferencePointCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.GeometricTypeCode Property

Gets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points. Node column: GEOM_TYPE_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeometricTypeCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.HorizontalAccuracyMeasure Property

Gets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates. Node column: HORZ_ACC_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyMeasure { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.HorizontalAccuracyUnitofMeasure Property

Gets the horizontal accuracy unit of measure. Node column: HORZ_ACC_UNT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyUnitofMeasure { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.HorizontalCollectionMethodCode Property

Gets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth. Node column: HORZ_COLL_METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalCollectionMethodCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.HorizontalReferenceDatumCode Property

Gets the code that represents the reference datum used in determining latitude and longitude coordinates. Node column: HORZ_REF_DATUM_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalReferenceDatumCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.LatitudeMeasure Property

Gets the measure of the angular distance on a meridian north or south of the equator. Node column: LAT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LatitudeMeasure { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.LongitudeMeasure Property

Gets the measure of the angular distance on a meridian east or west of the prime meridian. Node column: LONG_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LongitudeMeasure { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.PercentofAreaProducingEmissions Property

Gets the percent of the area within the shape or perimeter that was affected by the event (e.g., area actually blackened by a fire). Node column: PCNT_AREA_PROD_EMIS.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentofAreaProducingEmissions { get; init; }
```

Property Value

Nullable(Decimal)

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.SectorTypeCode Property

Gets the associated primary sector for a facility site. Examples include: General Stationary Combustion, Energy Production, Cement Production, Waste Water Treatment, etc. Node column: SECT_TYPE_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SectorTypeCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.SourceMapScaleNumber Property

Gets the number that represents the proportional distance on the ground for one unit of measure on the map or photo. Node column: SRC_MAP_SCALE_NUM.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SourceMapScaleNumber { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.VerificationMethodCode Property

Gets the code that represents the process used to verify the latitude and longitude coordinates. Node column: VERF_METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerificationMethodCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.VerticalCollectionMethodCode Property

Gets the code that identifies the method used to collect the vertical measure (i.e., the altitude) of a reference point. Node column: VERT_COLL_METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalCollectionMethodCode { get; init; }
```

Property Value

String

[See Also](#)

[Reference](#)

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.VerticalMeasure Property

Gets the measure of elevation (i.e., the altitude), above or below a reference datum. Node column: VERT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalMeasure { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.VerticalReferenceDatumCode Property

Gets the code that represents the reference datum used to determine the vertical measure (i.e., the altitude). Node column: VERT_REF_DATUM_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalReferenceDatumCode { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.VerticalUnitofMeasureCode Property

Gets the vertical unit of measure. (verticalunitofmeasurecode) Node column: VERT_UNT_MEAS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalUnitofMeasureCode { get; init; }
```

Property Value

String

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisFacilitySiteRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisNaicsLookupRecord Class

The code that represents a subdivision of an industry that accommodates user needs in the United States.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisNaicsLookupRecord : IEquatable<EisNaicsLookupRecord>
```

Inheritance **Object** → **EisNaicsLookupRecord**

Implements **IEquatable(EisNaicsLookupRecord)**

Constructors

EisNaicsLookupRecord	Initializes a new instance of the EisNaicsLookupRecord class
--------------------------------------	---

Properties

Code	Gets the North American Industry Classification System (NAICS) code.
Description	Gets a description of the NAICS code.
LastInventoryYear	Gets the last inventory year that the code was valid.
LastupdatedOn	Gets the date the record was last updated by the EPA.
MapTo	Gets an alternate NAICS code for retired values.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisNaicsLookupRecord](#) Constructor

Initializes a new instance of the [EisNaicsLookupRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisNaicsLookupRecord()
```

See Also

Reference

[EisNaicsLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisNaicsLookupRecord.Code Property

Gets the North American Industry Classification System (NAICS) code.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Code { get; init; }
```

Property Value

String

See Also

Reference

[EisNaicsLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisNaicsLookupRecord.Description Property

Gets a description of the NAICS code.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Description { get; init; }
```

Property Value

String

See Also

Reference

[EisNaicsLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisNaicsLookupRecord.LastInventoryYear Property

Gets the last inventory year that the code was valid.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? LastInventoryYear { get; init; }
```

Property Value

Nullable(Int32)

See Also

Reference

[EisNaicsLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisNaicsLookupRecord.LastupdatedOn Property

Gets the date the record was last updated by the EPA.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? LastupdatedOn { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisNaicsLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisNaicsLookupRecord.MapTo Property

Gets an alternate NAICS code for retired values.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MapTo { get; init; }
```

Property Value

String

See Also

Reference

[EisNaicsLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisProcessControlApproachRecord Class

Identifies the overall control system or approach, including capture effectiveness, where applied at an emissions unit activity or process to reduce the amount of pollutants released into the environment.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisProcessControlApproachRecord :  
IEquatable<EisProcessControlApproachRecord>
```

Inheritance **Object** → **EisProcessControlApproachRecord**

Implements **IEquatable(EisProcessControlApproachRecord)**

Constructors

EisProcessControlApproachRecord	Initializes a new instance of the EisProcessControlApproachRecord class
---	--

Properties

ControlApproachComment	Gets any comments regarding the control approach.
ControlApproachDescription	Gets a description of the overall control system or approach applied to an emissions unit or process.
FirstInventoryYear	Gets the inventory year for which the controls were implemented.
PercentControlApproachCaptureEfficiency	Gets an An estimate of that portion of an affected emission stream that is collected and routed to the control measures when the capture or collection system is operating as designed, reported as a percent.
XmlKey	Gets the primary key (sequence) in the XML downloaded file.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)

MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
------------------------	--

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisProcessControlApproachRecord](#) Constructor

Initializes a new instance of the [EisProcessControlApproachRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisProcessControlApproachRecord()
```

See Also

Reference

[EisProcessControlApproachRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisProcessControlApproachRecord.ControlApproachComment Property

Gets any comments regarding the control approach.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlApproachComment { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC CTRL_APCH_CMNT.

See Also

Reference

[EisProcessControlApproachRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisProcessControlApproachRecord.ControlApproachDescription Property

Gets a description of the overall control system or approach applied to an emissions unit or process.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlApproachDescription { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC.CTRL_APCH_DESC.

See Also

Reference

[EisProcessControlApproachRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisProcessControlApproachRecord](#).FirstInventoryYear Property

Gets the inventory year for which the controls were implemented.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? FirstInventoryYear { get; init; }
```

Property Value

Nullable(Int32)

Remarks

Node column: CERS_EMIS_UNIT_PROC.FIRST_INVEN_YEAR.

See Also

Reference

[EisProcessControlApproachRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisProcessControlApproachRecord.PercentControlApproachCaptureEfficiency Property

Gets an An estimate of that portion of an affected emission stream that is collected and routed to the control measures when the capture or collection system is operating as designed, reported as a percent.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PercentControlApproachCaptureEfficiency { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC.PCNT_CTRL_APCH_CAP_EFCY.

See Also

Reference

[EisProcessControlApproachRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisProcessControlApproachRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisProcessControlApproachRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisProcessControlApproachRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisProcessControlApproachRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord Class

The percent of emissions for an emissions process that are vented through the emissions release point.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisReleasePointApportionmentRecord :  
IEquatable<EisReleasePointApportionmentRecord>
```

Inheritance **Object** → **EisReleasePointApportionmentRecord**

Implements **IEquatable(EisReleasePointApportionmentRecord)**

Constructors

EisReleasePointApportionmentRecord	Initializes a new instance of the <i>EisReleasePointApportionmentRecord</i> class
--	--

Properties

AveragePercentEmissions	Gets the average annual percent of an emissions process that is vented through a release point.
ControlPathAgencyID	Gets the associated control path's agency ID.
ControlPathAgencyIDEffectiveDate	Gets the date on which the control path agency ID became effective.
ControlPathEpaiD	Gets the associated control path's EPA ID.
ControlPathEpaiDEffectiveDate	Gets the date on which the EPA ID became effective.
ReleasePointApportionmentComment	Gets a comment regarding the average apportionment of emissions vented through a release point.
StackAgencyID	Gets the associated stack's agency ID.
StackAgencyIDEffectiveDate	Gets the date on which stack agency ID became effective.
StackEpaiD	Gets the associated stack's EPA ID.
StackEpaiDEffectiveDate	Gets the date on which the associated stack EPA ID became effective.
XmlKey	Gets the primary key (sequence) in the XML downloaded file.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord Constructor

Initializes a new instance of the [EisReleasePointApportionmentRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisReleasePointApportionmentRecord()
```

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.AveragePercentEmissions Property

Gets the average annual percent of an emissions process that is vented through a release point.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public float? AveragePercentEmissions { get; init; }
```

Property Value

Nullable(Single)

Remarks

Node column: CERS_EMS_UNT_PRC_RL_PT_APPR.IDEN.

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.ControlPathAgencyID Property

Gets the associated control path's agency ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlPathAgencyID { get; init; }
```

Property Value

String

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.ControlPathAgencyIDffectiveDate Property

Gets the date on which the control path agency ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlPathAgencyIDffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.ControlPathEpaID Property

Gets the associated control path's EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlPathEpaID { get; init; }
```

Property Value

String

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.ControlPathEpaIDffectiveDate Property

Gets the date on which the EPA ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlPathEpaIDffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.ReleasePointApportionmentComment Property

Gets a comment regarding the average apportionment of emissions vented through a release point.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointApportionmentComment { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMS_UNT_PRC_RL_PT_APPR.REL_PT_APPR_CMNT.

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.StackAgencyID Property

Gets the associated stack's agency ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string StackAgencyID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMS_UNT_PRC_RL_PT_APP_IDN.IDEN.

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.StackAgencyIDEffectiveDate Property

Gets the date on which stack agency ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? StackAgencyIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.StackEpaID Property

Gets the associated stack's EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string StackEpaID { get; init; }
```

Property Value

String

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.StackEpaIDEffectiveDate Property

Gets the date on which the associated stack EPA ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? StackEpaIDEffectiveDate { get; init; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointApportionmentRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord Class

Identifies the point at which emissions are released into the environment, via a stack or fugitive release.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisReleasePointRecord : IEquatable<EisReleasePointRecord>
```

Inheritance **Object** → **EisReleasePointRecord**

Implements **IEquatable(EisReleasePointRecord)**

Constructors

EisReleasePointRecord	Initializes a new instance of the EisReleasePointRecord class
---------------------------------------	--

Properties

AgencyID	Gets the stack agency ID.
CoordinateDataSourceCode	Gets the code that represents the party responsible for providing the latitude and longitude coordinates.
DataCollectionDate	Gets the calendar date when data were collected.
EpalD	Gets the process EPA ID.
GeographicComment	Gets the text that provides additional information about the geographic coordinates.
GeographicReferencePointCode	Gets the code that represents the place for which geographic coordinates were established.
GeometricTypeCode	Gets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points.
HorizontalAccuracyMeasure	Gets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates.
HorizontalAccuracyUnitofMeasure	Gets the horizontal accuracy unit of measure.
HorizontalCollectionMethodCode	Gets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth.
HorizontalReferenceDatumCode	Gets the code that represents the reference datum used in determining latitude and longitude coordinates.

LatitudeMeasure	Gets the measure of the angular distance on a meridian north or south of the equator.
LongitudeMeasure	Gets the measure of the angular distance on a meridian east or west of the prime meridian.
ReleasePointComment	Gets any comments regarding the release point.
ReleasePointDescription	Gets the text description of release point.
ReleasePointExitGasFlowRateMeasure	Gets the value of the stack gas flow rate.
ReleasePointExitGasFlowRateUnitofMeasureCode	Gets the unit of measure for the stack gas flow rate value.
ReleasePointExitGasTemperatureMeasure	Gets the temperature of an exit gas stream (measured in degrees Fahrenheit).
ReleasePointExitGasVelocityMeasure	Gets the velocity of an exit gas stream.
ReleasePointExitGasVelocityUnitofMeasureCode	Gets the unit of measure for the velocity of an exit gas stream value.
ReleasePointFenceLineDistanceMeasure	Gets the measure of the horizontal distance to the nearest fence line of a property within which the release point is located.
ReleasePointFenceLineDistanceUnitofMeasureCode	Gets the fence line distance unit of measure.
ReleasePointFugitiveHeightMeasure	Gets the fugitive release height above terrain of fugitive emissions.
ReleasePointFugitiveHeightUnitofMeasureCode	Gets the fugitive release height unit of measure.
ReleasePointStackDiameterMeasure	Gets the internal diameter of the stack at the release height.
ReleasePointStackDiameterUnitofMeasureCode	Gets the stack diameter unit of measure.
ReleasePointStackHeightMeasure	Gets the height of the stack from the ground.
ReleasePointStackHeightUnitofMeasureCode	Gets the stack height unit of measure.
ReleasePointStatusCode	Gets the code that identifies the operating status of the release point.
ReleasePointStatusCodeYear	Gets the year in which the release point status became applicable.
ReleasePointTypeCode	Gets the code that identifies the type of release point.
SourceMapScaleNumber	Gets the number that represents the proportional distance on the ground for one unit of measure on the map or photo.
VerificationMethodCode	Gets the code that represents the process used to verify the latitude and longitude coordinates.
XmlKey	Gets the primary key (sequence) in the XML downloaded file.

<u>XmlParentKey</u>	Gets the parent's key (sequence) in the XML downloaded file.
-------------------------------------	--

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. <i>(Inherited from Object)</i>
GetType	Gets the Type of the current instance. <i>(Inherited from Object)</i>
MemberwiseClone	Creates a shallow copy of the current Object . <i>(Inherited from Object)</i>

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord Constructor

Initializes a new instance of the [EisReleasePointRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisReleasePointRecord()
```

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.AgencyID Property

Gets the stack agency ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_REL_PT_IDEN.IDEN.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.CoordinateDataSourceCode Property

Gets the code that represents the party responsible for providing the latitude and longitude coordinates.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CoordinateDataSourceCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.COORD_DATA_SRC_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.DataCollectionDate Property

Gets the calendar date when data were collected.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? DataCollectionDate { get; init; }
```

Property Value

Nullable(DateTime)

Remarks

Node table: CERS_REL_PT.DATA_COLL_DATE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.EpaID Property

Gets the process EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_REL_PT_IDEN.IDEN.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.GeographicComment Property

Gets the text that provides additional information about the geographic coordinates.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicComment { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.GEO_CMNT.GEO_CMNT.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.GeographicReferencePointCode Property

Gets the code that represents the place for which geographic coordinates were established.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicReferencePointCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.GEO_REF_PT_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.GeometricTypeCode Property

Gets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeometricTypeCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.GEOM_TYPE_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.HorizontalAccuracyMeasure Property

Gets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.HORZ_ACC_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.HorizontalAccuracyUnitofMeasure Property

Gets the horizontal accuracy unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyUnitofMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.HORZ_ACC_UNT_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisReleasePointRecord.HorizontalCollectionMethodCode Property](#)

Gets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalCollectionMethodCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.HORZ_COLL_METH_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.HorizontalReferenceDatumCode Property

Gets the code that represents the reference datum used in determining latitude and longitude coordinates.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalReferenceDatumCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.HORZ_REF_DATUM_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.LatitudeMeasure Property

Gets the measure of the angular distance on a meridian north or south of the equator.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LatitudeMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.LAT_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.LongitudeMeasure Property

Gets the measure of the angular distance on a meridian east or west of the prime meridian.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LongitudeMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.LONG_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointComment Property

Gets any comments regarding the release point.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointComment { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_EXIT_GAS_TMP_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointDescription Property

Gets the text description of release point.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointDescription { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_DESC.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointExitGasFlowRateMeasure Property

Gets the value of the stack gas flow rate.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasFlowRateMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_EXIT_GAS_FLOW_RATE_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointExitGasFlowRateUnitofMeasureCode Property

Gets the unit of measure for the stack gas flow rate value.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasFlowRateUnitofMeasureCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.RL_PT_EXT_GS_FLW_RTE_UNT_MS_CD.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointExitGasTemperatureMeasure Property

Gets the temperature of an exit gas stream (measured in degrees Fahrenheit).

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasTemperatureMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointExitGasVelocityMeasure Property

Gets the velocity of an exit gas stream.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasVelocityMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_EXIT_GAS_VEL_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointExitGasVelocityUnitofMeasureCode Property

Gets the unit of measure for the velocity of an exit gas stream value.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasVelocityUnitofMeasureCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.RL_PT_EXT_GS_VL_UNT_MS_CDE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointFenceLineDistanceMeasure Property

Gets the measure of the horizontal distance to the nearest fence line of a property within which the release point is located.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFenceLineDistanceMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_FENCE_LINE_DIST_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointFenceLineDistanceUnitofMeasureCode Property

Gets the fence line distance unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFenceLineDistanceUnitofMeasureCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.RL_PT_FNCE_LNE_DST_UNT_MS_CDE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointFugitiveHeightMeasure Property

Gets the fugitive release height above terrain of fugitive emissions.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveHeightMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_FGT_V_HGT_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointFugitiveHeightUnitofMeasureCode Property

Gets the fugitive release height unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveHeightUnitofMeasureCode { get; init; }
```

Property Value

String

Remarks

Node table: REL_PT_FGTV_HGT_UNT_MEAS_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointStackDiameterMeasure Property

Gets the internal diameter of the stack at the release height.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStackDiameterMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_STK_DIA_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointStackDiameterUnitofMeasureCode Property

Gets the stack diameter unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStackDiameterUnitofMeasureCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_STK_DIA_UNT_MEAS_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointStackHeightMeasure Property

Gets the height of the stack from the ground.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStackHeightMeasure { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_STK_HGT_MEAS.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointStackHeightUnitofMeasureCode Property

Gets the stack height unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStackHeightUnitofMeasureCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_STK_HGT_UNT_MEAS_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointStatusCode Property

Gets the code that identifies the operating status of the release point.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStatusCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_STAT_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointStatusCodeYear Property

Gets the year in which the release point status became applicable.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ReleasePointStatusCodeYear { get; init; }
```

Property Value

Nullable(Int32)

Remarks

Node table: CERS_REL_PT.REL_PT_STAT_CODE_YEAR.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.ReleasePointTypeCode Property

Gets the code that identifies the type of release point.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointTypeCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.REL_PT_TYPE_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.SourceMapScaleNumber Property

Gets the number that represents the proportional distance on the ground for one unit of measure on the map or photo.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SourceMapScaleNumber { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.SRC_MAP_SCALE_NUM.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.VerificationMethodCode Property

Gets the code that represents the process used to verify the latitude and longitude coordinates.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerificationMethodCode { get; init; }
```

Property Value

String

Remarks

Node table: CERS_REL_PT.VERF_METH_CODE.

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisReleasePointRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisReleasePointRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord Class

The 8 or 10-digit EPA Code that describes an emission process.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisSccLookupRecord
```

Inheritance **Object** → [EisSccLookupRecord](#)

Constructors

EisSccLookupRecord	Initializes a new instance of the EisSccLookupRecord class
------------------------------------	--

Properties

ActivityValueRequired	Gets a value indicating whether an activity is value required for this SCC.
Code	Gets the source classification category code.
DataCategory	Gets the data category.
ERTValid	Gets a value indicating whether gets or sets the industry sector.
LastInventoryYear	Gets the last inventory year for which this code was valid.
LastUpdatedDate	Gets the date the record was last updated by the EPA.
MapTo	Gets the alternate value for retired codes..
OptionGroup	Gets the .
OptionSet	Gets the option group.
SCCLevelFour	Gets the SCC level four description.
SCCLevelOne	Gets the SCC level one description.
SCCLevelThree	Gets the SCC level three description.
SCCLevelTwo	Gets the SCC Level Two description.
Sector	Gets the option set.
ShortName	Gets a short name describing this process.
Tier1Description	Gets the Tier 1 Description.
Tier1Name	Gets the Tier 1 name.
Tier2Description	Gets the Tier 2 description..
Tier2Name	Gets the Tier 2 name.
Tier3Description	Gets the Tier 3 description.
Tier3Name	Gets the Tier 3 name.

UsageNotes	Gets the usage notes.
----------------------------	-----------------------

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord Constructor

Initializes a new instance of the [EisSccLookupRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisSccLookupRecord()
```

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisSccLookupRecord.ActivityValueRequired Property](#)

Gets a value indicating whether an activity is value required for this SCC.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public bool ActivityValueRequired { get; init; }
```

Property Value

Boolean

[See Also](#)

[Reference](#)

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.Code Property

Gets the source classification category code.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Code { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.DataCategory Property

Gets the data category.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string DataCategory { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.ERTValid Property

Gets a value indicating whether gets or sets the industry sector.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public bool ERTValid { get; init; }
```

Property Value

Boolean

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.LastInventoryYear Property

Gets the last inventory year for which this code was valid.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? LastInventoryYear { get; init; }
```

Property Value

Nullable(Int32)

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.LastUpdatedDate Property

Gets the date the record was last updated by the EPA.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LastUpdatedDate { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.MapTo Property

Gets the alternate value for retired codes..

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MapTo { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.OptionGroup Property

Gets the .

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string OptionGroup { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.OptionSet Property

Gets the option group.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string OptionSet { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.SCCLevelFour Property

Gets the SCC level four description.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SCCLevelFour { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.SCCLevelOne Property

Gets the SCC level one description.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SCCLevelOne { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.SCCLevelThree Property

Gets the SCC level three description.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SCCLevelThree { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.SCCLevelTwo Property

Gets the SCC Level Two description.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SCCLevelTwo { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.Sector Property

Gets the option set.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Sector { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.ShortName Property

Gets a short name describing this process.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ShortName { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.Tier1Description Property

Gets the Tier 1 Description.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Tier1Description { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.Tier1Name Property

Gets the Tier 1 name.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Tier1Name { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.Tier2Description Property

Gets the Tier 2 description..

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Tier2Description { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.Tier2Name Property

Gets the Tier 2 name.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Tier2Name { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.Tier3Description Property

Gets the Tier 3 description.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Tier3Description { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.Tier3Name Property

Gets the Tier 3 name.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Tier3Name { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisSccLookupRecord.UsageNotes Property

Gets the usage notes.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UsageNotes { get; init; }
```

Property Value

String

See Also

Reference

[EisSccLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord Class

Identifies the specific operational activities that produce emissions either directly or indirectly.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisUnitEmissionsProcessRecord :  
IEquatable<EisUnitEmissionsProcessRecord>
```

Inheritance **Object** → **EisUnitEmissionsProcessRecord**

Implements **IEquatable(EisUnitEmissionsProcessRecord)**

Constructors

EisUnitEmissionsProcessRecord	Initializes a new instance of the EisUnitEmissionsProcessRecord class
---	--

Properties

AgencyID	Gets the process agency ID.
AircraftEngineTypeCode	Gets the combination of aircraft and engine type for airport emissions.
EpaID	Gets the process EPA ID.
ProcessComment	Gets any comments regarding the emissions process.
ProcessDescription	Gets a text description of the emissions process.
ProcessStatusCode	Gets the code that identifies the operating status of the process.
ProcessStatusCodeYear	Gets the year in which the process status became applicable.
SourceClassificationCode	Gets the EPA Source Classification Code that identifies an emissions process.
XmlKey	Gets the primary key (sequence) in the XML downloaded file.
XmlParentKey	Gets the parent's key (sequence) in the XML downloaded file.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

CisToNodeCore Object Model

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisUnitEmissionsProcessRecord](#) Constructor

Initializes a new instance of the [EisUnitEmissionsProcessRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisUnitEmissionsProcessRecord()
```

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.AgencyID Property

Gets the process agency ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC_IDEN.IDEN.

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.AircraftEngineTypeCode Property

Gets the combination of aircraft and engine type for airport emissions.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AircraftEngineTypeCode { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC.AIRCRAFT_ENGINE_TYPE_CODE.

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.EpaID Property

Gets the process EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaID { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC_IDEN.IDEN.

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.ProcessComment Property

Gets any comments regarding the emissions process.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessComment { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC.PROC_CMNT.

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.ProcessDescription Property

Gets a text description of the emissions process.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessDescription { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC.PROC_DESC.

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.ProcessStatusCode Property

Gets the code that identifies the operating status of the process.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessStatusCode { get; init; }
```

Property Value

String

Remarks

Node table: N/A (New with CERS v2).

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.ProcessStatusCodeYear Property

Gets the year in which the process status became applicable.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ProcessStatusCodeYear { get; init; }
```

Property Value

Nullable(Int32)

Remarks

Node table: N/A (New with CERS v2).

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.SourceClassificationCode Property

Gets the EPA Source Classification Code that identifies an emissions process.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SourceClassificationCode { get; init; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_PROC.SRC_CLASS_CODE.

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.XmlKey Property

Gets the primary key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitEmissionsProcessRecord.XmlParentKey Property

Gets the parent's key (sequence) in the XML downloaded file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int XmlParentKey { get; init; }
```

Property Value

Int32

See Also

Reference

[EisUnitEmissionsProcessRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitTypeLookupRecord Class

Code that identifies the type of emissions unit activity.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EisUnitTypeLookupRecord : IEquatable<EisUnitTypeLookupRecord>
```

Inheritance **Object** → **EisUnitTypeLookupRecord**

Implements **IEquatable(EisUnitTypeLookupRecord)**

Constructors

EisUnitTypeLookupRecord	Initializes a new instance of the EisUnitTypeLookupRecord class
---	--

Properties

Description	Gets the unit type description.
EPANote	Gets the EPA note.
UnitGroup	Gets the unit group.
UnitTypeCode	Gets the unit type code.

Methods

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[EisUnitTypeLookupRecord](#) Constructor

Initializes a new instance of the [EisUnitTypeLookupRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EisUnitTypeLookupRecord()
```

See Also

Reference

[EisUnitTypeLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitTypeLookupRecord.Description Property

Gets the unit type description.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Description { get; init; }
```

Property Value

String

See Also

[Reference](#)

[EisUnitTypeLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitTypeLookupRecord.EPANote Property

Gets the EPA note.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EPANote { get; init; }
```

Property Value

String

See Also

Reference

[EisUnitTypeLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitTypeLookupRecord.UnitGroup Property

Gets the unit group.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitGroup { get; init; }
```

Property Value

String

See Also

Reference

[EisUnitTypeLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

EisUnitTypeLookupRecord.UnitTypeCode Property

Gets the unit type code.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitTypeCode { get; init; }
```

Property Value

String

See Also

Reference

[EisUnitTypeLookupRecord Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot Class

An object containing EIS Snapshot data downloaded from EPA.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class Snapshot
```

Inheritance **Object** → Snapshot

Constructors

Snapshot	Initializes a new instance of the Snapshot class
--------------------------	--

Properties

Cers	Gets the CERS submittal information for the snapshot. There should be only one.
ControlMeasure	Gets the ControlMeasure table from the EIS snapshot.
ControlPathControlPollutant	Gets a list of control path control pollutant records.
ControlPathDefinition	Gets a list of control path definition records.
ControlPollutant	Gets the ControlPollutant table from the EIS snapshot.
EmissionsUnit	Gets the EmissionsUnit table from the EIS snapshot.
FacilityIdentification	Gets the FacilityIdentification table from the EIS snapshot.
FacilityNaics	Gets the FacilityNAICS table from the EIS snapshot.
FacilitySite	Gets the FacilitySite table from the EIS snapshot.
FacilitySiteAddress	Gets the FacilitySiteAddress table from the EIS snapshot.
FacilitySitePath	Gets a list of site control path records.
ProcessControlApproach	Gets the ProcessControlApproach table from the EIS snapshot.
ReleasePoint	Gets the ReleasePoint table from the EIS snapshot.
ReleasePointApportionment	Gets the ReleasePointApportionment table from the EIS snapshot.
SiteControl	Gets a list of site controls records.
UnitEmissionsProcess	Gets the UnitEmissionsProcess table from the EIS snapshot.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
------------------------	---

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

[See Also](#)

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot Constructor

Initializes a new instance of the [Snapshot](#) class

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Snapshot()
```

See Also

Reference

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[Snapshot.Cers Property](#)

Gets the CERS submittal information for the snapshot. There should be only one.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisCersRecord> Cers { get; }
```

Property Value

[List\(EisCersRecord\)](#)

[See Also](#)

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.ControlMeasure Property

Gets the ControlMeasure table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisControlMeasureRecord> ControlMeasure { get; }
```

Property Value

[List\(EisControlMeasureRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[Snapshot.ControlPathControlPollutant](#) Property

Gets a list of control path control pollutant records.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisControlPollutantRecord> ControlPathControlPollutant { get; }
```

Property Value

[List\(EisControlPollutantRecord\)](#)

[See Also](#)

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.ControlPathDefinition Property

Gets a list of control path definition records.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisControlPathDefinitionRecord> ControlPathDefinition { get; }
```

Property Value

[List\(EisControlPathDefinitionRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.ControlPollutant Property

Gets the ControlPollutant table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisControlPollutantRecord> ControlPollutant { get; }
```

Property Value

[List\(EisControlPollutantRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.EmissionsUnit Property

Gets the EmissionsUnit table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisEmissionsUnitRecord> EmissionsUnit { get; }
```

Property Value

[List\(EisEmissionsUnitRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.FacilityIdentification Property

Gets the FacilityIdentification table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisFacilityIdentificationRecord> FacilityIdentification { get; }
```

Property Value

[List\(EisFacilityIdentificationRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.FacilityNaics Property

Gets the FacilityNAICS table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisFacilityNaicsRecord> FacilityNaics { get; }
```

Property Value

[List\(EisFacilityNaicsRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.FacilitySite Property

Gets the FacilitySite table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisFacilitySiteRecord> FacilitySite { get; }
```

Property Value

[List\(EisFacilitySiteRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[Snapshot.FacilitySiteAddress Property](#)

Gets the FacilitySiteAddress table from the EIS snapshot.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisFacilitySiteAddressRecord> FacilitySiteAddress { get; }
```

Property Value

[List\(EisFacilitySiteAddressRecord\)](#)

[See Also](#)

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[Snapshot.FacilitySitePath](#) Property

Gets a list of site control path records.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisFacilitySitePathRecord> FacilitySitePath { get; }
```

Property Value

[List\(EisFacilitySitePathRecord\)](#)

[See Also](#)

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.ProcessControlApproach Property

Gets the ProcessControlApproach table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisProcessControlApproachRecord> ProcessControlApproach { get; }
```

Property Value

[List\(EisProcessControlApproachRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.ReleasePoint Property

Gets the ReleasePoint table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisReleasePointRecord> ReleasePoint { get; }
```

Property Value

[List\(EisReleasePointRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.ReleasePointApportionment Property

Gets the ReleasePointApportionment table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisReleasePointApportionmentRecord> ReleasePointApportionment { get; }
```

Property Value

[List\(EisReleasePointApportionmentRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[Snapshot.SiteControl Property](#)

Gets a list of site controls records.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisFacilitySiteControlRecord> SiteControl { get; }
```

Property Value

[List\(EisFacilitySiteControlRecord\)](#)

[See Also](#)

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

Snapshot.UnitEmissionsProcess Property

Gets the UnitEmissionsProcess table from the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<EisUnitEmissionsProcessRecord> UnitEmissionsProcess { get; }
```

Property Value

[List\(EisUnitEmissionsProcessRecord\)](#)

See Also

[Reference](#)

[Snapshot Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

SnapshotManager Class

Manages and contains an EIS Snapshot.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class SnapshotManager : ISnapshotManager
```

Inheritance [Object](#) → SnapshotManager

Implements [ISnapshotManager](#)

Constructors

SnapshotManager	Initializes a new instance of the SnapshotManager class.
---------------------------------	--

Properties

Snapshot	Gets an object containing EIS Snapshot data downloaded from EPA.
ValidControlMeasureCodes	Gets a list of valid control measure codes.
ValidNaicsCodes	Gets a list of valid NAICS codes.
ValidSccCodes	Gets a list of valid NAICS codes.
ValidUnitTypeCodes	Gets a list of valid NAICS codes.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
LoadValidControlMeasureCodes	Populates ValidControlMeasureCodes from a CSV file.
LoadValidNaicsCodes	Populates ValidNaicsCodes from a CSV file.
LoadValidSccCodes	Populates ValidSccCodes from a CSV file.
LoadValidUnitTypeCodes	Populates ValidUnitTypeCodes from a CSV file.
LoadXmlAsync	Populates Snapshot with data from EPA XML.

CisToNodeCore Object Model

MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
<u>PopulateLookups</u>	Populates valid lookup code list from file having specific values in columns.
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

SnapshotManager Constructor

Initializes a new instance of the [SnapshotManager](#) class.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public SnapshotManager(  
    ISettingsManager settingsManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Object containing configuration settings and preferences.

See Also

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[SnapshotManager.Snapshot Property](#)

Gets an object containing EIS Snapshot data downloaded from EPA.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Snapshot Snapshot { get; private set; }
```

Property Value

[Snapshot](#)

Implements

[ISnapshotManager.Snapshot](#)

[See Also](#)

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

SnapshotManager.ValidControlMeasureCodes Property

Gets a list of valid control measure codes.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<string> ValidControlMeasureCodes { get; private set; }
```

Property Value

List(String)

Implements

[ISnapshotManager.ValidControlMeasureCodes](#)

See Also

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[SnapshotManager.ValidNaicsCodes Property](#)

Gets a list of valid NAICS codes.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<string> ValidNaicsCodes { get; private set; }
```

Property Value

List(String)

Implements

[ISnapshotManager.ValidNaicsCodes](#)

[See Also](#)

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[SnapshotManager.ValidSccCodes Property](#)

Gets a list of valid NAICS codes.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<string> ValidSccCodes { get; private set; }
```

Property Value

List(String)

Implements

[ISnapshotManager.ValidSccCodes](#)

[See Also](#)

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[SnapshotManager.ValidUnitTypeCodes Property](#)

Gets a list of valid NAICS codes.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<string> ValidUnitTypeCodes { get; private set; }
```

Property Value

List(String)

Implements

[ISnapshotManager.ValidUnitTypeCodes](#)

[See Also](#)

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[SnapshotManager.LoadValidControlMeasureCodes](#) Method

Populates ValidControlMeasureCodes from a CSV file.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void LoadValidControlMeasureCodes(  
    string csvFile  
)
```

Parameters

csvFile String

The file containing lookup data in CSV format.

Implements

[ISnapshotManager.LoadValidControlMeasureCodes\(String\)](#)

[See Also](#)

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[SnapshotManager.LoadValidNaicsCodes](#) Method

Populates ValidNaicsCodes from a CSV file.

[Definition](#)

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void LoadValidNaicsCodes(  
    string csvFile  
)
```

Parameters

csvFile **String**

The file containing lookup data in CSV format.

Implements

[ISnapshotManager.LoadValidNaicsCodes\(String\)](#)

[See Also](#)

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[SnapshotManager.LoadValidSccCodes](#) Method

Populates ValidSccCodes from a CSV file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void LoadValidSccCodes(  
    string csvFile  
)
```

Parameters

csvFile **String**

The file containing lookup data in CSV format.

Implements

[ISnapshotManager.LoadValidSccCodes\(String\)](#)

See Also

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

[SnapshotManager.LoadValidUnitTypeCodes](#) Method

Populates ValidUnitTypeCodes from a CSV file.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void LoadValidUnitTypeCodes(  
    string csvFile  
)
```

Parameters

csvFile **String**

The file containing lookup data in CSV format.

Implements

[ISnapshotManager.LoadValidUnitTypeCodes\(String\)](#)

See Also

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

SnapshotManager.LoadXmlAsync Method

Populates Snapshot with data from EPA XML.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task LoadXmlAsync(  
    string xmlFile  
)
```

Parameters

xmlFile **String**

File containing XML data.

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[ISnapshotManager.LoadXmlAsync\(String\)](#)

See Also

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

SnapshotManager.PopulateLookups Method

Populates valid lookup code list from file having specific values in columns.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulateLookups(
    List<string> validCodes,
    string csvFile,
    int codeFieldIndex,
    List<(int MatchFieldIndex, string MatchRegex)> matchFields
)
```

Parameters

validCodes [List\(String\)](#)

The list to be populated.

csvFile [String](#)

Full pathSt to the CSV file containing lookup data.

codeFieldIndex [Int32](#)

Zero based index of field containing code value.

matchFields [List\(ValueTuple\(Int32, String\)\)](#)

Pairs of zero-based field index and match value for valid records.

Remarks

Only CSV records matching MatchRegex in field[MatchFieldIndex] are added to the list. This check is case-insensitive. Minimally, the "Last Year" field would be blank.

See Also

Reference

[SnapshotManager Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

SnapshotManagerExtensions Class

Extensions for the SnapshotManager class.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public static class SnapshotManagerExtensions
```

Inheritance **Object** → SnapshotManagerExtensions

Methods

FieldOrDefault(T)(DataRow, String)	Fetches field value for row if column exists, default otherwise.
FieldOrDefault(T)(DataRow, String, T)	Fetches field value for row if column exists, default otherwise.

See Also

Reference

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

SnapshotManagerExtensions.FieldOrDefault<T>(DataRow, String) Method

Fetches field value for row if column exists, default otherwise.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public static T FieldOrDefault<T>(
    this DataRow row,
    string column
)
```

Parameters

row **DataRow**

The DataRow containing the field.

column **String**

The column representing the field.

Type Parameters

T

The expected column's type.

Return Value

T

The fields value, or default if no field.

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **DataRow**.

When you use instance method syntax to call this method, omit the first parameter. For more

information, see [Extension Methods \(Visual Basic\)](#) or [Extension Methods \(C# Programming Guide\)](#).

See Also

Reference

[SnapshotManagerExtensions Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

SnapshotManagerExtensions.FieldOrDefault<T>(DataRow, String, T) Method

Fetches field value for row if column exists, default otherwise.

Definition

Namespace: [CaisToNodeCore.Models.EisSnapshot](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public static T FieldOrDefault<T>(
    this DataRow row,
    string column,
    T defaultValue
)
```

Parameters

row **DataRow**

The DataRow containing the field.

column **String**

The column representing the field.

defaultValue **T**

Value to return if field is missing.

Type Parameters

T

The expected column's type.

Return Value

T

The fields value, or default if no field.

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **DataRow**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods \(Visual Basic\)](#) or [Extension Methods \(C# Programming Guide\)](#).

See Also

Reference

[SnapshotManagerExtensions Class](#)

[CaisToNodeCore.Models.EisSnapshot Namespace](#)

CaisToNodeCore.Models.FacilityInventory Namespace

CaisToNode FacilityInventory model objects.

Classes

EmissionsProcessProcessor	ETL for Facility inventory emissions process level.
EmissionsUnitProcessor	ETL for Facility inventory emissions unit level.
FacilitySiteProcessor	ETL for Facility inventory Facility Site level.
ProcessPollutantAndControlsProcessor	ETL for ProcessPollutantAndControlsProcessor and its children: SiteControlIdentification and SiteControlPollutant.
ReleasePointProcessor	ETL For facility inventory release point (stack) records.

EmissionsProcessProcessor Class

ETL for Facility inventory emissions process level.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EmissionsProcessProcessor : ProcessorBase,  
    IEmissionsProcessProcessor
```

Inheritance **Object** → [ProcessorBase](#) → **EmissionsProcessProcessor**

Implements [IEmissionsProcessProcessor](#)

Constructors

EmissionsProcessProcessor	Initializes a new instance of the EmissionsProcessProcessor class.
---	---

Properties

Cais	Gets a CAIS facade. (Inherited from ProcessorBase)
CaisManager	Gets a CAIS manager. (Inherited from ProcessorBase)
Node	Gets a node facade. (Inherited from ProcessorBase)
NodeManager	Gets a node manager object. (Inherited from ProcessorBase)
Settings	Gets a settings object. (Inherited from ProcessorBase)
SettingsManager	Gets a settings manager object. (Inherited from ProcessorBase)
Snapshot	Gets an EIS snapshot object. (Inherited from ProcessorBase)
SnapshotManager	Gets a snapshot manager object. (Inherited from ProcessorBase)

Methods

CloseMissing	Adds closure records for submitted processes which are not downloaded from CAIS but are included as operating in the EIS snapshot.
Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)

CaisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
<u>PopulateNodeFacade</u>	Populates node facade with processed records.
<u>ProcessProcesses</u>	Processes emissions process level records for the FacilitySite inventory type.
<u>RemoveOrphanedStacks</u>	Removes operating stacks that are not referenced by any processes in submittal.
<u>RemoveUnneededRecords</u>	Remove orphaned records and those with no emissions.
<u>SetEisStatus</u>	Sets process status code.
ToString	Returns a string that represents the current object. (Inherited from Object)
<u>ValidateData</u>	Ensures that data is within EIS limits.

See Also

Reference

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

EmissionsProcessProcessor Constructor

Initializes a new instance of the [EmissionsProcessProcessor](#) class.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EmissionsProcessProcessor(  
    ISettingsManager settingsManager,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Configuration and user settings container.

caisManager [ICaisManager](#)

CAIS interface.

nodeManager [INodeManager](#)

Node interface.

snapshotManager [ISnapshotManager](#)

EIS Snapshot interface.

See Also

Reference

[EmissionsProcessProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

EmissionsProcessProcessor.CloseMissing Method

Adds closure records for submitted processes which are not downloaded from CAIS but are included as operating in the EIS snapshot.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void CloseMissing()
```

Remarks

This would include any zero emissions processes that were removed in RemoveUnneededRecords() but are in the snapshot.

See Also

Reference

[EmissionsProcessProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsProcessProcessor.PopulateNodeFacade Method](#)

Populates node facade with processed records.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulateNodeFacade()
```

[See Also](#)

Reference

[EmissionsProcessProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

EmissionsProcessProcessor.ProcessProcesses Method

Processes emissions process level records for the FacilitySite inventory type.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void ProcessProcesses()
```

Implements

[IEmissionsProcessProcessor.ProcessProcesses\(\)](#)

See Also

Reference

[EmissionsProcessProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsProcessProcessor.RemoveOrphanedStacks Method](#)

Removes operating stacks that are not referenced by any processes in submittal.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void RemoveOrphanedStacks()
```

[See Also](#)

Reference

[EmissionsProcessProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsProcessProcessor.RemoveUnneededRecords Method](#)

Remove orphaned records and those with no emissions.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void RemoveUnneededRecords()
```

[See Also](#)

Reference

[EmissionsProcessProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsProcessProcessor.SetEisStatus Method](#)

Sets process status code.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void SetEisStatus()
```

[Remarks](#)

Removes process description from inactive processes. Since zero-emission processes should have been removed previously, the only status flag *should* be for operational, but fscked data happens.

[See Also](#)

Reference

[EmissionsProcessProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

EmissionsProcessProcessor.ValidateData Method

Ensures that data is within EIS limits.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void ValidateData()
```

See Also

Reference

[EmissionsProcessProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

EmissionsUnitProcessor Class

ETL for Facility inventory emissions unit level.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class EmissionsUnitProcessor : ProcessorBase,  
    IEmissionsUnitProcessor
```

Inheritance **Object** → [ProcessorBase](#) → [EmissionsUnitProcessor](#)

Implements [IEmissionsUnitProcessor](#)

Constructors

EmissionsUnitProcessor	Initializes a new instance of the EmissionsUnitProcessor class.
--	---

Properties

Cais	Gets a CAIS facade. (Inherited from ProcessorBase)
CaisManager	Gets a CAIS manager. (Inherited from ProcessorBase)
Node	Gets a node facade. (Inherited from ProcessorBase)
NodeManager	Gets a node manager object. (Inherited from ProcessorBase)
Settings	Gets a settings object. (Inherited from ProcessorBase)
SettingsManager	Gets a settings manager object. (Inherited from ProcessorBase)
Snapshot	Gets an EIS snapshot object. (Inherited from ProcessorBase)
SnapshotManager	Gets a snapshot manager object. (Inherited from ProcessorBase)

Methods

CloseMissingEisUnits	Adds closed units for units in snapshot but not in CAIS, limited to facilities in submittal.
Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
<u>PopulateNodeFacade</u>	Loads data into node facade object.
<u>ProcessUnits</u>	Processes emissions unit level records for the FacilitySite inventory type.
<u>RemoveUnneededRecords</u>	Remove records for units not in operating plants which are part of this submittal or have no emissions.
<u>SetEisStatus</u>	Sets units operating status.
<u>StandardizeDesignRates</u>	Converts applicable design rates to EIS compatible units, nulls out others.
ToString	Returns a string that represents the current object. (Inherited from Object)
<u>ValidateData</u>	Ensures that data is within EIS limits.

See Also

[Reference](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

EmissionsUnitProcessor Constructor

Initializes a new instance of the [EmissionsUnitProcessor](#) class.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public EmissionsUnitProcessor(  
    ISettingsManager settingsManager,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Configuration and user settings container.

caisManager [ICaisManager](#)

CAIS interface.

nodeManager [INodeManager](#)

Node interface.

snapshotManager [ISnapshotManager](#)

EIS Snapshot interface.

See Also

Reference

[EmissionsUnitProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsUnitProcessor.CloseMissingEisUnits Method](#)

Adds closed units for units in snapshot but not in CAIS, limited to facilities in submittal.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void CloseMissingEisUnits()
```

[See Also](#)

Reference

[EmissionsUnitProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsUnitProcessor.PopulateNodeFacade](#) Method

Loads data into node facade object.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulateNodeFacade()
```

See Also

Reference

[EmissionsUnitProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

EmissionsUnitProcessor.ProcessUnits Method

Processes emissions unit level records for the FacilitySite inventory type.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void ProcessUnits()
```

Implements

[IEmissionsUnitProcessor.ProcessUnits\(\)](#)

See Also

Reference

[EmissionsUnitProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsUnitProcessor.RemoveUnneededRecords Method](#)

Remove records for units not in operating plants which are part of this submittal or have no emissions.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void RemoveUnneededRecords()
```

[See Also](#)

Reference

[EmissionsUnitProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsUnitProcessor.SetEisStatus Method](#)

Sets units operating status.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void SetEisStatus()
```

[See Also](#)

Reference

[EmissionsUnitProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

EmissionsUnitProcessor.StandardizeDesignRates Method

Converts applicable design rates to EIS compatible units, nulls out others.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void StandardizeDesignRates()
```

See Also

Reference

[EmissionsUnitProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[EmissionsUnitProcessor.ValidateData Method](#)

Ensures that data is within EIS limits.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void ValidateData()
```

[See Also](#)

Reference

[EmissionsUnitProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor Class

ETL for Facility inventory Facility Site level.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class FacilitySiteProcessor : ProcessorBase,  
    IFacilitySiteProcessor
```

Inheritance **Object** → [ProcessorBase](#) → **FacilitySiteProcessor**

Implements [IFacilitySiteProcessor](#)

Constructors

FacilitySiteProcessor	Initializes a new instance of the FacilitySiteProcessor class.
---------------------------------------	---

Properties

Cais	Gets a CAIS facade. (Inherited from ProcessorBase)
CaisManager	Gets a CAIS manager. (Inherited from ProcessorBase)
Node	Gets a node facade. (Inherited from ProcessorBase)
NodeManager	Gets a node manager object. (Inherited from ProcessorBase)
Settings	Gets a settings object. (Inherited from ProcessorBase)
SettingsManager	Gets a settings manager object. (Inherited from ProcessorBase)
Snapshot	Gets an EIS snapshot object. (Inherited from ProcessorBase)
SnapshotManager	Gets a snapshot manager object. (Inherited from ProcessorBase)

Methods

DetermineAerrTypes	Determines each facility's AERR reporting type according to 40 CFR Part 51. Based upon potential to emit and non-attainment area.
------------------------------------	---

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
FlagNonPoint	Changes status to non-point for sources in list.
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
LimitToIncluded	Removes records from facility list that don't have IDs in the included facility list.
LimitToMajors	Limits to major sources if not a full (3-year) cycle submittal.
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
PopulateEisStatus	Sets the value of the FacilitySiteStatusCode property based upon CAIS plant operating status and whether there are emissions.
PopulateNodeFacade	Populates node facade tables from processed facilities.
PopulatePotentialEmissions	Estimates potential emissions for AERR determination.
ProcessFacilities	Processes Facility level records for the FacilitySiteProcessor inventory type.
RemoveNonReportingAndClosedPlantsNotNeedingEISUpdate	Removes non-reporting and closed CAIS plants which don't need EIS status updated.
ToString	Returns a string that represents the current object. (Inherited from Object)
ValidateData	Ensures that data is within EIS limits.

CisToNodeCore Object Model

See Also

Reference

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor Constructor

Initializes a new instance of the [FacilitySiteProcessor](#) class.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public FacilitySiteProcessor(  
    ISettingsManager settingsManager,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Configuration and user settings container.

caisManager [ICaisManager](#)

CAIS interface.

nodeManager [INodeManager](#)

Node interface.

snapshotManager [ISnapshotManager](#)

EIS Snapshot interface.

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.DetermineAerrTypes Method

Determines each facility's AERR reporting type according to 40 CFR Part 51. Based upon potential to emit and non-attainment area.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void DetermineAerrTypes()
```

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.FlagNonPoint Method

Changes status to non-point for sources in list.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void FlagNonPoint()
```

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.LimitToIncluded Method

Removes records from facility list that don't have IDs in the included facility list.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void LimitToIncluded()
```

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.LimitToMajors Method

Limits to major sources if not a full (3-year) cycle submittal.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void LimitToMajors()
```

Remarks

Majors are **added** to the included source list. This allows adding sources which may have been previously reported as majors or those sources expected by EPA.

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.PopulateEisStatus Method

Sets the value of the FacilitySiteStatusCode property based upon CAIS plant operating status and whether there are emissions.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulateEisStatus()
```

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.PopulateNodeFacade Method

Populates node facade tables from processed facilities.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulateNodeFacade()
```

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.PopulatePotentialEmissions Method

Estimates potential emissions for AERR determination.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulatePotentialEmissions()
```

Remarks

Processing steps:

1. If the inventory does contain PTE use it. PTE could be at unit or process level
2. If there's a permit limit use that.
3. If the annual operating hours per year for a unit is 0 or 8760 use $1.2 * (\text{Estimated Emissions})$.
The 1.2 is a value used in permit guidance memos to account for variations in production rate
for a full time or unknown schedule.
4. If the source is a standby generator operating less than 250 hours per year use $\text{EE} * (250/\text{HR})$
5. Otherwise use $\text{EE} * (8760/\text{HR})$

PTE is calculated at unit level and bubbled up.

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.ProcessFacilities Method

Processes Facility level records for the FacilitySiteProcessor inventory type.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void ProcessFacilities()
```

Implements

[IFacilitySiteProcessor.ProcessFacilities\(\)](#)

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.RemoveNonReportingAndClosedPlantsNotNeedingEISUpdate Method

Removes non-reporting and closed CAIS plants which don't need EIS status updated.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void RemoveNonReportingAndClosedPlantsNotNeedingEISUpdate()
```

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

FacilitySiteProcessor.ValidateData Method

Ensures that data is within EIS limits.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void ValidateData()
```

See Also

Reference

[FacilitySiteProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ProcessPollutantAndControlsProcessor Class

ETL for ProcessPollutantAndControlsProcessor and its children: SiteControlIdentification and SiteControlPollutant.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class ProcessPollutantAndControlsProcessor : ProcessorBase,  
    IProcessPollutantAndControlsProcessor
```

Inheritance [Object](#) → [ProcessorBase](#) → [ProcessPollutantAndControlsProcessor](#)

Implements [IProcessPollutantAndControlsProcessor](#)

Remarks

The CAIS control definitions exist at the process-pollutant level. Each processes controls are mapped to the facility level individually for CERS V2. This will likely result in multiple records representing a single piece of control equipment shared between multiple processes since CAIS does not capture this level of detail.

Constructors

ProcessPollutantAndControlsProcessor	Initializes a new instance of the ProcessPollutantAndControlsProcessor class.
--	---

Properties

Cais	Gets a CAIS facade. (Inherited from ProcessorBase)
CaisManager	Gets a CAIS manager. (Inherited from ProcessorBase)
Node	Gets a node facade. (Inherited from ProcessorBase)
NodeManager	Gets a node manager object. (Inherited from ProcessorBase)
Settings	Gets a settings object. (Inherited from ProcessorBase)
SettingsManager	Gets a settings manager object. (Inherited from ProcessorBase)
Snapshot	Gets an EIS snapshot object. (Inherited from ProcessorBase)

SnapshotManager	Gets a snapshot manager object. (Inherited from ProcessorBase)
---------------------------------	--

Methods

CleanUpControlCodes	Replaces CAIS uncontrolled code (000) with empty string and removes leading zeros from CAIS control measure codes to correspond to EIS format. Uses secondary control measure for primary when primary is empty.
CloseMissingEisControls	Adds closed controls for controls found in EIS but not in CAIS.
Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
PopulateNodeFacade	Loads data into node facade object.
ProcessControls	Extracts Control and path information from process pollutant records.
ReconcileParticulates	Ensures that any processes reporting PM2.5 report at least as much PM10. If PM10 records are entirely missing a new record is added.
RemoveUnneededRecords	Remove records for pollutants not in operating processes which are part of this submittal.
ToString	Returns a string that represents the current object. (Inherited from Object)
ValidateData	Ensures that data is within EIS limits.

See Also

Reference

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ProcessPollutantAndControlsProcessor Constructor

Initializes a new instance of the [ProcessPollutantAndControlsProcessor](#) class.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public ProcessPollutantAndControlsProcessor(  
    ISettingsManager settingsManager,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Configuration and user settings container.

caisManager [ICaisManager](#)

CAIS interface.

nodeManager [INodeManager](#)

Node interface.

snapshotManager [ISnapshotManager](#)

EIS Snapshot interface.

See Also

Reference

[ProcessPollutantAndControlsProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ProcessPollutantAndControlsProcessor.CleanUpControlCodes Method

Replaces CAIS uncontrolled code (000) with empty string and removes leading zeros from CAIS control measure codes to correspond to EIS format. Uses secondary control measure for primary when primary is empty.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void CleanUpControlCodes()
```

See Also

Reference

[ProcessPollutantAndControlsProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[ProcessPollutantAndControlsProcessor.CloseMissingEisControls Method](#)

Adds closed controls for controls found in EIS but not in CAIS.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void CloseMissingEisControls()
```

[Remarks](#)

This must be done in the node tables rather than the CAIS facade to avoid having to add a bunch of fake process-pollutant records. Note that the control ID needs to be unique within the entire submittal, not just the facility-site.

[See Also](#)

Reference

[ProcessPollutantAndControlsProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ProcessPollutantAndControlsProcessor.PopulateNodeFacade Method

Loads data into node facade object.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulateNodeFacade()
```

Remarks

In order to map from CAIS, which lists controls at the process-pollutant level, to the more complex CERS V2 control path scheme, the following simplifications are made:

- Each (controlled) process is assigned its own path which is identified using the process ID, which may or may not represent reality.
- Each unique control code in the process's process pollutant records gets its own Site Control record, which is identified using the process ID and the control code (appended with a dash, zero padded to 3 digits).
- The controls's sequence in the path is in the order of appearance within the process, which may or may not represent reality.

See Also

Reference

[ProcessPollutantAndControlsProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ProcessPollutantAndControlsProcessor.ProcessControls Method

Extracts Control and path information from process pollutant records.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void ProcessControls()
```

Implements

[IProcessPollutantAndControlsProcessor.ProcessControls\(\)](#)

See Also

Reference

[ProcessPollutantAndControlsProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ProcessPollutantAndControlsProcessor.ReconcileParticulates Method

Ensures that any processes reporting PM2.5 report at least as much PM10. If PM10 records are entirely missing a new record is added.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void ReconcileParticulates()
```

Remarks

Logically this would seem to belong in the PointEmissionsProcessor process, but new records, possibly with controls, might be added. This needs to happen before generating and populating controls.

See Also

Reference

[ProcessPollutantAndControlsProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ProcessPollutantAndControlsProcessor.RemoveUnneededRecords Method

Remove records for pollutants not in operating processes which are part of this submittal.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void RemoveUnneededRecords()
```

See Also

Reference

[ProcessPollutantAndControlsProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ProcessPollutantAndControlsProcessor.ValidateData Method

Ensures that data is within EIS limits.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void ValidateData()
```

See Also

Reference

[ProcessPollutantAndControlsProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ReleasePointProcessor Class

ETL For facility inventory release point (stack) records.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class ReleasePointProcessor : ProcessorBase,  
    IReleasePointProcessor
```

Inheritance [Object](#) → [ProcessorBase](#) → [ReleasePointProcessor](#)

Implements [IReleasePointProcessor](#)

Constructors

ReleasePointProcessor	Initializes a new instance of the ReleasePointProcessor class.
---------------------------------------	--

Properties

Cais	Gets a CAIS facade. (Inherited from ProcessorBase)
CaisManager	Gets a CAIS manager. (Inherited from ProcessorBase)
Node	Gets a node facade. (Inherited from ProcessorBase)
NodeManager	Gets a node manager object. (Inherited from ProcessorBase)
Settings	Gets a settings object. (Inherited from ProcessorBase)
SettingsManager	Gets a settings manager object. (Inherited from ProcessorBase)
Snapshot	Gets an EIS snapshot object. (Inherited from ProcessorBase)
SnapshotManager	Gets a snapshot manager object. (Inherited from ProcessorBase)

Methods

CloseMissingEisStacks	Adds closed stacks for stacks in snapshot but not in CAIS, limited to facilities in submittal.
Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
<u>PopulateNodeFacade</u>	Loads data into node facade object.
<u>ProcessReleasePoints</u>	Processes release point level records for the FacilitySite inventory type.
<u>RemoveUnneededRecords</u>	Remove records for stacks not in operating plants which are part of this submittal or have no emissions.
<u>SetEisStatus</u>	Sets release point status.
ToString	Returns a string that represents the current object. (Inherited from Object)
<u>ValidateData</u>	Ensures that data is within EIS limits.

See Also

Reference

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ReleasePointProcessor Constructor

Initializes a new instance of the [ReleasePointProcessor](#) class.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public ReleasePointProcessor(  
    ISettingsManager settingsManager,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Configuration and user settings container.

caisManager [ICaisManager](#)

CAIS interface.

nodeManager [INodeManager](#)

Node interface.

snapshotManager [ISnapshotManager](#)

EIS Snapshot interface.

See Also

Reference

[ReleasePointProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

[ReleasePointProcessor.CloseMissingEisStacks Method](#)

Adds closed stacks for stacks in snapshot but not in CAIS, limited to facilities in submittal.

[Definition](#)

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void CloseMissingEisStacks()
```

[See Also](#)

Reference

[ReleasePointProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ReleasePointProcessor.PopulateNodeFacade Method

Loads data into node facade object.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulateNodeFacade()
```

See Also

Reference

[ReleasePointProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ReleasePointProcessor.ProcessReleasePoints Method

Processes release point level records for the FacilitySite inventory type.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void ProcessReleasePoints()
```

Implements

[IReleasePointProcessor.ProcessReleasePoints\(\)](#)

See Also

Reference

[ReleasePointProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ReleasePointProcessor.RemoveUnneededRecords Method

Remove records for stacks not in operating plants which are part of this submittal or have no emissions.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void RemoveUnneededRecords()
```

See Also

Reference

[ReleasePointProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ReleasePointProcessor.SetEisStatus Method

Sets release point status.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void SetEisStatus()
```

See Also

Reference

[ReleasePointProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

ReleasePointProcessor.ValidateData Method

Ensures that data is within EIS limits.

Definition

Namespace: [CaisToNodeCore.Models.FacilityInventory](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void ValidateData()
```

See Also

Reference

[ReleasePointProcessor Class](#)

[CaisToNodeCore.Models.FacilityInventory Namespace](#)

CaisToNodeCore.Models.Node Namespace

CaisToNode Node model objects.

Classes

NodeBasicIdentificationRecord	Implements CER_Identification_v2.0.xsd IdentificationDataType.
NodeCersRecord	CERS Root record. Node table: CERS_CERS.
NodeControlMeasureRecord	Identifies the specific control devices or practices that are applied to an emission stream after capture and routing.
NodeControlPathDefinitionRecord	Determines how the FacilitySiteControls relate to each other at the facility. The order of the controls must be specified. In cases where the emissions stream splits, the percentage of the emissions stream must be specified. This splitting of the emissions stream will cause the controls to be working in parallel until the stream meet later in the path definition. Due to the potential complicated configurations of controls, a given path definition may utilize site controls or other path definitions.
NodeControlPollutantRecord	Identifies the pollutants reduced by the control measures and their reduction amounts.
NodeFacade	Object representing Node staging tables.
NodeFacilityIdentificationRecord	Row of FacilityIdentification table. Node table: CERS_FAC_IDEN.
NodeFacilityNAICSRecord	Row in FacilityNAICS table (CERS_FAC_NAICS).
NodeFacilitySiteAddressRecord	Row in FacilityAddress table (CERS_FAC_SITE_ADDR).
NodeFacilitySiteControlRecord	Row in FacilityNAICS table (New in CERS V2).
NodeFacilitySitePathRecord	Identifies an activity, stationary article, process equipment, machine, or other device from which air pollutants emanate or are emitted either directly or indirectly into the environment at the facility site.
NodeFacilitySiteRecord	Row of FacilitySite table. Node table: CERS_FAC_SITE.
NodeGeographicCoordinateRecord	EIS GeographicCoordinate component. Node table: CERS_FAC_SITE.
NodeManager	Manages data to be uploaded to the Node staging tables.
NodeProcessRecord	Identifies the specific operational activities that produce emissions either directly or indirectly.
NodeRecordBase	Base record for node items.
NodeReleasePointApportionmentRecord	The percent of emissions for an emissions process that are vented through the emissions release point.

CisToNodeCore Object Model

<u>NodeReleasePointRecord</u>	Identifies the point at which emissions are released into the environment, via a stack or fugitive release.
<u>NodeReportingPeriodEmissionsRecord</u>	Identifies all pollutants being reported for the process and reporting period.
<u>NodeReportingPeriodRecord</u>	Identifies the reporting period for which emissions and related activity data are submitted.
<u>NodeUnitRecord</u>	Identifies an activity, stationary article, process equipment, machine, or other device from which air pollutants emanate or are emitted either directly or indirectly into the environment at the facility site.

Enumerations

<u>DataCategory</u>	Represents the EIS submission data category i.e. facility, point.
<u>SubmissionType</u>	Determines how EIS is to handle the submission.

DataCategory Enumeration

Represents the EIS submission data category i.e. facility, point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public enum DataCategory
```

Members

FacilityInventory	0	Facility inventory.
Point	1	Point emissions inventory.

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeBasicIdentificationRecord Class

Implements CER_Identification_v2.0.xsd IdentificationDataType.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeBasicIdentificationRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeBasicIdentificationRecord](#)

Constructors

NodeBasicIdentificationRecord	Initializes a new instance of the NodeBasicIdentificationRecord class
---	---

Properties

EffectiveDate	Gets or sets the date on which the identifier became effective. Node column: EFFC_DATE.
EndDate	Gets or sets the date on which the identifier is no longer applicable. Node column: END_DATE.
Identifier	Gets or sets an identifier by which the site control is referred to by a system.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
ProgramSystemCode	Gets or sets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)

CisToNodeCore Object Model

MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

[NodeBasicIdentificationRecord](#) Constructor

Initializes a new instance of the [NodeBasicIdentificationRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeBasicIdentificationRecord()
```

See Also

Reference

[NodeBasicIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeBasicIdentificationRecord.EffectiveDate Property

Gets or sets the date on which the identifier became effective. Node column: EFFC_DATE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EffectiveDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[NodeBasicIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeBasicIdentificationRecord.EndDate Property

Gets or sets the date on which the identifier is no longer applicable. Node column: END_DATE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EndDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[NodeBasicIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeBasicIdentificationRecord.Identifier Property](#)

Gets or sets an identifier by which the site control is referred to by a system.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Identifier { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeBasicIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeBasicIdentificationRecord.ProgramSystemCode Property

Gets or sets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProgramSystemCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeBasicIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord Class

CERS Root record. Node table: CERS_CERS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeCersRecord
```

Inheritance **Object** → [NodeCersRecord](#)

Constructors

NodeCersRecord	Initializes a new instance of the NodeCersRecord class
--------------------------------	--

Properties

DataCategory	Gets or sets the submittal data category: "FacilityInventory" or "Point". Node column: DATA_CATEGORY.
EmissionsCreationDate	Gets or sets date that the data being submitted were created, or the date when the model generating the data was run. Node column: EMIS_CRTN_DATE.
EmissionsYear	Gets or sets the year of the submitted emissions. Node column: EMIS_YEAR.
Model	Gets or sets the name of the model or the conversion tool used for generating the emissions data. Node column: MODEL.
ModelVersion	Gets or sets the version of the model or conversion tool. Node column: MODEL_VERS.
NodeKey	Gets or sets the primary key in the Node staging tables.
ProgramSystemCode	Gets or sets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.
SubmittalComment	Gets or sets any comments regarding the file submission. Node column: SUBM_CMNT.
UserIdentifier	Gets or sets unique identifier of a user record. This identifier is assigned by the receiving system and is unique for each user. Permissions for updating data are granted based on the user identification. Node column: USER_IDEN.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
------------------------	---

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

[See Also](#)

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord Constructor

Initializes a new instance of the [NodeCersRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeCersRecord()
```

See Also

Reference

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeCersRecord](#).DataCategory Property

Gets or sets the submittal data category: "FacilityInventory" or "Point". Node column: DATA_CATEGORY.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string DataCategory { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord.EmissionsCreationDate Property

Gets or sets date that the data being submitted were created, or the date when the model generating the data was run. Node column: EMIS_CRTN_DATE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EmissionsCreationDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord.EmissionsYear Property

Gets or sets the year of the submitted emissions. Node column: EMIS_YEAR.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int EmissionsYear { get; set; }
```

Property Value

Int32

See Also

Reference

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord.Model Property

Gets or sets the name of the model or the conversion tool used for generating the emissions data. Node column: MODEL.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Model { get; set; }
```

Property Value

String

See Also

Reference

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord.ModelVersion Property

Gets or sets the version of the model or conversion tool. Node column: MODEL_VERS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ModelVersion { get; set; }
```

Property Value

String

See Also

Reference

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord.NodeKey Property

Gets or sets the primary key in the Node staging tables.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeKey { get; set; }
```

Property Value

String

See Also

Reference

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord.ProgramSystemCode Property

Gets or sets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProgramSystemCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord.SubmittalComment Property

Gets or sets any comments regarding the file submission. Node column: SUBM_CMNT.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SubmittalComment { get; set; }
```

Property Value

String

See Also

Reference

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeCersRecord.UserIdenifier Property

Gets or sets unique identifier of a user record. This identifier is assigned by the receiving system and is unique for each user. Permissions for updating data are granted based on the user identification. Node column: USER_IDEN.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UserIdenifier { get; set; }
```

Property Value

String

See Also

Reference

[NodeCersRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlMeasureRecord Class

Identifies the specific control devices or practices that are applied to an emission stream after capture and routing.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeControlMeasureRecord : NodeRecordBase
```

Inheritance [Object](#) → [NodeRecordBase](#) → [NodeControlMeasureRecord](#)

Constructors

NodeControlMeasureRecord	Initializes a new instance of the NodeControlMeasureRecord class
--	--

Properties

ControlMeasureCode	Gets or sets code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.
ControlMeasureSequence	Gets or sets the sequence in which the pollutant stream passes through the various devices in the control group.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

CisToNodeCore Object Model

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlMeasureRecord Constructor

Initializes a new instance of the [NodeControlMeasureRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeControlMeasureRecord()
```

See Also

Reference

[NodeControlMeasureRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlMeasureRecord.ControlMeasureCode Property

Gets or sets code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_CTR_APP_CT_MS.CTRL_MEAS_CODE.

See Also

Reference

[NodeControlMeasureRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlMeasureRecord.ControlMeasureSequence Property

Gets or sets the sequence in which the pollutant stream passes through the various devices in the control group.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlMeasureSequence { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_CTR_APP_CT_MS.CTRL_MEAS_SEQ.

See Also

Reference

[NodeControlMeasureRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlPathDefinitionRecord Class

Determines how the FacilitySiteControls relate to each other at the facility. The order of the controls must be specified. In cases where the emissions stream splits, the percentage of the emissions stream must be specified. This splitting of the emissions stream will cause the controls to be working in parallel until the stream meet later in the path definition. Due to the potential complicated configurations of controls, a given path definition may utilize site controls or other path definitions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeControlPathDefinitionRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeControlPathDefinitionRecord](#)

Constructors

NodeControlPathDefinitionRecord	Initializes a new instance of the NodeControlPathDefinitionRecord class
---	--

Properties

AveragePercentApportionment	Gets or sets the average percent apportionment.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
SequenceNumber	Gets or sets a sequence number.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

CisToNodeCore Object Model

ToString	Returns a string that represents the current object. (Inherited from Object)
-----------------	---

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlPathDefinitionRecord Constructor

Initializes a new instance of the [NodeControlPathDefinitionRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeControlPathDefinitionRecord()
```

See Also

Reference

[NodeControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlPathDefinitionRecord.AveragePercentApportionment Property

Gets or sets the average percent apportionment.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal AveragePercentApportionment { get; set; }
```

Property Value

Decimal

Remarks

The average percent of flow that is vented through a control device(or control path). Within a given control path definition for the same sequence number, the sum of all AveragePercentApportionment values must equal 100. A value of something other than 100% indicates that the stream splits to 2 or more devices and/or paths.EIS will retain 2 decimal positions of precision.

See Also

Reference

[NodeControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlPathDefinitionRecord.SequenceNumber Property

Gets or sets a sequence number.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int SequenceNumber { get; set; }
```

Property Value

Int32

Remarks

Required. An integer defining the order in which the given path or control device is encountered by the stream. Records with the same sequence number within the same path definition indicates that the devices are operating in parallel.

See Also

Reference

[NodeControlPathDefinitionRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlPollutantRecord Class

Identifies the pollutants reduced by the control measures and their reduction amounts.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeControlPollutantRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeControlPollutantRecord](#)

Constructors

NodeControlPollutantRecord	Initializes a new instance of the NodeControlPollutantRecord class
--	--

Properties

NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PercentControlMeasuresReductionEfficiency	Gets or sets the percent reduction achieved for the pollutant when all control measures are operating as designed.
PollutantCode	Gets or sets code identifying the pollutant for which emissions are reported.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

CisToNodeCore Object Model

ToString	Returns a string that represents the current object. (Inherited from Object)
-----------------	---

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlPollutantRecord Constructor

Initializes a new instance of the [NodeControlPollutantRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeControlPollutantRecord()
```

See Also

Reference

[NodeControlPollutantRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlPollutantRecord.PercentControlMeasuresReductionEfficiency Property

Gets or sets the percent reduction achieved for the pollutant when all control measures are operating as designed.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlMeasuresReductionEfficiency { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Was PercentControlMeasuresReductionEfficiency prior to CERS V2. Node:
CERS_EMS_UNT_PRC_CTR_APCT_PL.PCNT_CTRL_MEAS_REDCEFCY.

See Also

Reference

[NodeControlPollutantRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeControlPollutantRecord.PollutantCode Property

Gets or sets code identifying the pollutant for which emissions are reported.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PollutantCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_CTR_APP_CT_PL.POLT_CODE.

See Also

Reference

[NodeControlPollutantRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade Class

Object representing Node staging tables.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeFacade
```

Inheritance **Object** → **NodeFacade**

Constructors

NodeFacade	Initializes a new instance of the NodeFacade class
----------------------------	--

Properties

CersRecords	Gets a list of CERS records.
ControlMeasureRecords	Gets a list of process control approach control measure records.
ControlPathControlPollutantRecords	Gets a list of control path control pollutant records.
ControlPathDefinitionControlIdentificationRecords	Gets a list of control path definition control identification records.
ControlPathDefinitionPathIdentificationRecords	Gets a list of control path definition path identification records.
ControlPathDefinitionRecords	Gets a list of control path definition records.
ControlPathIdentificationRecords	Gets a list of site control path identification records.
ControlPathRecords	Gets a list of site control path records.
ControlPollutantRecords	Gets a list of process control approach control pollutant records.
FacilityIdentificationRecords	Gets a list of facility identification records.
FacilityNAICSRecords	Gets a list of facility NAICS records.
FacilitySiteAddressRecords	Gets a list of facility site address records.
FacilitySiteRecords	Gets a list of facility site records.
ProcessIdentificationRecords	Gets a list of unit emissions process identification records.
ProcessRecords	Gets a list of unit emissions process records.

CisToNodeCore Object Model

ReleasePointApportionmentIdentificationRecords	Gets a list of release point apportionment identification records.
ReleasePointApportionmentPathIdentificationRecords	Gets a list of release point apportionment path identification records.
ReleasePointApportionmentRecords	Gets a list of release point apportionment records.
ReleasePointIdentificaitonRecords	Gets a list of release point identification records.
ReleasePointRecords	Gets a list of release point records.
ReportingPeriodEmissionsRecords	Gets a list of process reporting period emissions records.
ReportingPeriodRecords	Gets a list of process reporting period records.
SiteControllidentificationRecords	Gets a list of site controls identification records.
SiteControlPollutantRecords	Gets a list of facility site control pollutant records.
SiteControlRecords	Gets a list of site controls records.
UnitIdentificationRecords	Gets a list of emissions unit identification records.
UnitRecords	Gets a list of emissions unit records.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

[Reference](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade Constructor

Initializes a new instance of the [NodeFacade](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeFacade()
```

See Also

Reference

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.CersRecords Property

Gets a list of CERS records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeCersRecord> CersRecords { get; }
```

Property Value

[List\(NodeCersRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ControlMeasureRecords Property

Gets a list of process control approach control measure records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeControlMeasureRecord> ControlMeasureRecords { get; }
```

Property Value

[List\(NodeControlMeasureRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ControlPathControlPollutantRecords Property

Gets a list of control path control pollutant records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeControlPollutantRecord> ControlPathControlPollutantRecords { get; }
```

Property Value

[List\(NodeControlPollutantRecord\)](#)

Remarks

This component captures the overall percent reductions on a per pollutant basis across the entire path. This is analogous to the existing “ControlPollutant” component that is reported with the existing “ControlApproach” component.

See Also

Reference

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ControlPathDefinitionControlIdentificationRecords Property

Gets a list of control path definition control identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord>
ControlPathDefinitionControlIdentificationRecords { get; }
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

Remarks

The controls associated with the control path definition.

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ControlPathDefinitionPathIdentificationRecords Property

Gets a list of control path definition path identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord>
ControlPathDefinitionPathIdentificationRecords { get; }
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

See Also

Reference

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ControlPathDefinitionRecords Property

Gets a list of control path definition records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeControlPathDefinitionRecord> ControlPathDefinitionRecords { get; }
```

Property Value

[List\(NodeControlPathDefinitionRecord\)](#)

See Also

Reference

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ControlPathIdentificationRecords Property

Gets a list of site control path identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord> ControlPathIdentificationRecords { get; }
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ControlPathRecords Property

Gets a list of site control path records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeFacilitySitePathRecord> ControlPathRecords { get; }
```

Property Value

[List\(NodeFacilitySitePathRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ControlPollutantRecords Property

Gets a list of process control approach control pollutant records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeControlPollutantRecord> ControlPollutantRecords { get; }
```

Property Value

[List\(NodeControlPollutantRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.FacilityIdentificationRecords Property

Gets a list of facility identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeFacilityIdentificationRecord> FacilityIdentificationRecords { get; }
```

Property Value

[List\(NodeFacilityIdentificationRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.FacilityNAICSRecords Property

Gets a list of facility NAICS records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeFacilityNAICSRecord> FacilityNAICSRecords { get; }
```

Property Value

[List\(NodeFacilityNAICSRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.FacilitySiteAddressRecords Property

Gets a list of facility site address records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeFacilitySiteAddressRecord> FacilitySiteAddressRecords { get; }
```

Property Value

[List\(NodeFacilitySiteAddressRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.FacilitySiteRecords Property

Gets a list of facility site records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeFacilitySiteRecord> FacilitySiteRecords { get; }
```

Property Value

[List\(NodeFacilitySiteRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ProcessIdentificationRecords Property

Gets a list of unit emissions process identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord> ProcessIdentificationRecords { get; }
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ProcessRecords Property

Gets a list of unit emissions process records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeProcessRecord> ProcessRecords { get; }
```

Property Value

[List\(NodeProcessRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ReleasePointApportionmentIdentificationRecords Property

Gets a list of release point apportionment identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord>
ReleasePointApportionmentIdentificationRecords { get; }
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

See Also

Reference

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ReleasePointApportionmentPathIdentificationRecords Property

Gets a list of release point apportionment path identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord>
ReleasePointApportionmentPathIdentificationRecords { get; }
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

Remarks

The control path identifiers associated with the apportionment.

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ReleasePointApportionmentRecords Property

Gets a list of release point apportionment records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeReleasePointApportionmentRecord> ReleasePointApportionmentRecords {  
get; }
```

Property Value

[List\(NodeReleasePointApportionmentRecord\)](#)

Remarks

The release point identifiers associated with the apportionment.

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ReleasePointIdentificaitonRecords Property

Gets a list of release point identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord> ReleasePointIdentificaitonRecords { get;  
}
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

See Also

Reference

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ReleasePointRecords Property

Gets a list of release point records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeReleasePointRecord> ReleasePointRecords { get; }
```

Property Value

[List\(NodeReleasePointRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ReportingPeriodEmissionsRecords Property

Gets a list of process reporting period emissions records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeReportingPeriodEmissionsRecord> ReportingPeriodEmissionsRecords {  
get; }
```

Property Value

[List\(NodeReportingPeriodEmissionsRecord\)](#)

See Also

Reference

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.ReportingPeriodRecords Property

Gets a list of process reporting period records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeReportingPeriodRecord> ReportingPeriodRecords { get; }
```

Property Value

[List\(NodeReportingPeriodRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.SiteControlIdentificationRecords Property

Gets a list of site controls identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord> SiteControlIdentificationRecords { get; }
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.SiteControlPollutantRecords Property

Gets a list of facility site control pollutant records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeControlPollutantRecord> SiteControlPollutantRecords { get; }
```

Property Value

[List\(NodeControlPollutantRecord\)](#)

Remarks

Provides a list of pollutants the piece of control equipment is designed to control.

See Also

Reference

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.SiteControlRecords Property

Gets a list of site controls records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeFacilitySiteControlRecord> SiteControlRecords { get; }
```

Property Value

[List\(NodeFacilitySiteControlRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.UnitIdentificationRecords Property

Gets a list of emissions unit identification records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeBasicIdentificationRecord> UnitIdentificationRecords { get; }
```

Property Value

[List\(NodeBasicIdentificationRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacade.UnitRecords Property

Gets a list of emissions unit records.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<NodeUnitRecord> UnitRecords { get; }
```

Property Value

[List\(NodeUnitRecord\)](#)

See Also

[Reference](#)

[NodeFacade Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilityIdentificationRecord Class

Row of FacilityIdentification table. Node table: CERS_FAC_IDEN.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeFacilityIdentificationRecord : NodeRecordBase
```

Inheritance Object → [NodeRecordBase](#) → [NodeFacilityIdentificationRecord](#)

Constructors

NodeFacilityIdentificationRecord	Initializes a new instance of the NodeFacilityIdentificationRecord class
--	---

Properties

EffectiveDate	Gets or sets the date on which the identifier became effective. Node column: EFFC_DATE.
EndDate	Gets or sets the date on which the identifier is no longer applicable. Node column: END_DATE.
FacilitySiteIdentifier	Gets or sets an identifier by which the facility site is referred to by a system. Node column: FAC_SITE_IDEN.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
ProgramSystemCode	Gets or sets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.
StateAndCountryFIPSCode	Gets or sets the code that represents a State and Country for States in Mexico and Provinces in Canada. Node column: STA_AND_CTRY_FIPS_CODE.
StateAndCountyFIPSCode	Gets or sets the list is from FIPS Counties codes used for the identification of the Counties and County equivalents of the United States. Node column: STA_AND_CNTY_FIPS_CODE.
TribalCode	Gets or sets the code that represents the American Indian Tribe or Alaskan Native entity. Node column: TRIB_CODE.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilityIdentificationRecord](#) Constructor

Initializes a new instance of the [NodeFacilityIdentificationRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeFacilityIdentificationRecord()
```

See Also

Reference

[NodeFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilityIdentificationRecord](#).EffectiveDate Property

Gets or sets the date on which the identifier became effective. Node column: EFFC_DATE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EffectiveDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[NodeFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilityIdentificationRecord](#).[EndDate](#) Property

Gets or sets the date on which the identifier is no longer applicable. Node column: END_DATE.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EndDate { get; set; }
```

Property Value

Nullable(DateTime)

[See Also](#)

Reference

[NodeFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilityIdentificationRecord.FacilitySiteIdentifier](#) Property

Gets or sets an identifier by which the facility site is referred to by a system. Node column: FAC_SITE_IDEN.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteIdentifier { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilityIdentificationRecord](#).[ProgramSystemCode](#) Property

Gets or sets the code that represents the information management system which has responsibility for the data in a linked or interrelated information management system. Node column: PROG_SYS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProgramSystemCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilityIdentificationRecord.StateAndCountryFIPSCode Property

Gets or sets the code that represents a State and Country for States in Mexico and Provinces in Canada.
Node column: STA_AND_CTRY_FIPS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string StateAndCountryFIPSCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilityIdentificationRecord.StateAndCountyFIPSCode Property](#)

Gets or sets the list is from FIPS Counties codes used for the identification of the Counties and County equivalents of the United States. Node column: STA_AND_CNTY_FIPS_CODE.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string StateAndCountyFIPSCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilityIdentificationRecord.TribalCode Property

Gets or sets the code that represents the American Indian Tribe or Alaskan Native entity. Node column: TRIB_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string TribalCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilityIdentificationRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilityNAICSRecord Class

Row in FacilityNAICS table (CERS_FAC_NAICS).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeFacilityNAICSRecord : NodeRecordBase
```

Inheritance [Object](#) → [NodeRecordBase](#) → [NodeFacilityNAICSRecord](#)

Constructors

NodeFacilityNAICSRecord	Initializes a new instance of the NodeFacilityNAICSRecord class
---	---

Properties

NAICSCode	Gets or sets the NAICS code. The code that represents a subdivision of an industry that accommodates user needs in the United States. Node column: NAICS_CODE.
NAICSType	Gets or sets the name that indicates whether the associated NAICS code represents the primary activity occurring at the facility site. Node column: NAICS_PRI_IND.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

CisToNodeCore Object Model

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilityNAICSRecord Constructor

Initializes a new instance of the [NodeFacilityNAICSRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeFacilityNAICSRecord()
```

See Also

Reference

[NodeFacilityNAICSRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilityNAICSRecord.NAICSCode Property

Gets or sets the NAICS code. The code that represents a subdivision of an industry that accommodates user needs in the United States. Node column: NAICS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NAICSCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilityNAICSRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilityNAICSRecord.NAICSType Property

Gets or sets the name that indicates whether the associated NAICS code represents the primary activity occurring at the facility site. Node column: NAICS_PRI_IND.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NAICSType { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilityNAICSRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteAddressRecord Class

Row in FacilityAddress table (CERS_FAC_SITE_ADDR).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeFacilitySiteAddressRecord : NodeRecordBase
```

Inheritance Object → [NodeRecordBase](#) → NodeFacilitySiteAddressRecord

Constructors

NodeFacilitySiteAddressRecord	Initializes a new instance of the NodeFacilitySiteAddressRecord class
---	---

Properties

AddressComment	Gets or sets the parent's primary key in the node tables (ADDR_CMNT).
LocalityName	Gets or sets the name of the city, town, village, or other locality (LOCA_NAME).
LocationAddressCountryCode	Gets or sets a code designator used to identify a primary geopolitical unit of the world (LOC_ADDR_CTRY_CODE).
LocationAddressPostalCode	Gets or sets the code that represents a U.S. ZIP code or International postal code (MAIL_ADDR_POST_CODE).
LocationAddressStateCode	Gets or sets the alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico (LOC_ADDR_STA_CODE).
LocationAddressText	Gets or sets the physical location of a facility site or organization. (LOC_ADDR_TXT).
MailingAddressCityName	Gets or sets the name of the city or town (MAIL_ADDR_CITY_NAME).
MailingAddressCountryCode	Gets or sets a code designator used to identify a primary geopolitical unit of the world (MAIL_ADDR_CTRY_CODE).
MailingAddressCountyText	Gets or sets the name of the county (MAIL_ADDR_CNTY_TXT).
MailingAddressPostalCode	Gets or sets the code that represents a U.S. ZIP code or International postal code (MAIL_ADDR_POST_CODE).
MailingAddressStateCode	Gets or sets the alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico (MAIL_ADDR_STA_CODE).
MailingAddressText	Gets or sets the exact address where mail is intended to be delivered, including street address, rural route, and P.O. Box. (MAIL_ADDR_TXT).

CisToNodeCore Object Model

NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
SupplementalAddressText	Gets or sets The text that provides additional information to facilitate the delivery of mail. (SUPP_ADDR_TXT).
SupplementalLocationText	Gets or sets the text that provides additional information about a place, including a building name with its secondary unit and number, an industrial park name, an installation name, or descriptive text where no formal address is available (SUPP_LOC_TXT).

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

[Reference](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord](#) Constructor

Initializes a new instance of the [NodeFacilitySiteAddressRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeFacilitySiteAddressRecord()
```

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord](#).AddressComment Property

Gets or sets the parent's primary key in the node tables (ADDR_CMNT).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AddressComment { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord.LocalityName Property](#)

Gets or sets the name of the city, town, village, or other locality (LOCA_NAME).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocalityName { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord.LocationAddressCountryCode](#) Property

Gets or sets a code designator used to identify a primary geopolitical unit of the world (LOC_ADDR_CTRY_CODE).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressCountryCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteAddressRecord.LocationAddressPostalCode Property

Gets or sets the code that represents a U.S. ZIP code or International postal code (MAIL_ADDR_POST_CODE).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressPostalCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord.LocationAddressStateCode Property](#)

Gets or sets the alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico (LOC_ADDR_STA_CODE).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressStateCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord](#).LocationAddressText Property

Gets or sets the physical location of a facility site or organization. (LOC_ADDR_TXT).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LocationAddressText { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord.MailingAddressCityName](#) Property

Gets or sets the name of the city or town (MAIL_ADDR_CITY_NAME).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressCityName { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteAddressRecord.MailingAddressCountryCode Property

Gets or sets a code designator used to identify a primary geopolitical unit of the world (MAIL_ADDR_CTRY_CODE).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressCountryCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord.MailingAddressCountyText Property](#)

Gets or sets the name of the county (MAIL_ADDR_CNTY_TXT).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressCountyText { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteAddressRecord.MailingAddressPostalCode Property

Gets or sets the code that represents a U.S. ZIP code or International postal code (MAIL_ADDR_POST_CODE).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressPostalCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteAddressRecord.MailingAddressStateCode Property

Gets or sets the alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico (MAIL_ADDR_STA_CODE).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressStateCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteAddressRecord.MailingAddressText Property

Gets or sets the exact address where mail is intended to be delivered, including street address, rural route, and P.O. Box. (MAIL_ADDR_TXT).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string MailingAddressText { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteAddressRecord.SupplementalAddressText Property

Gets or sets The text that provides additional information to facilitate the delivery of mail.
(SUPP_ADDR_TXT).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SupplementalAddressText { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteAddressRecord](#).[SupplementalLocationText](#) Property

Gets or sets the text that provides additional information about a place, including a building name with its secondary unit and number, an industrial park name, an installation name, or descriptive text where no formal address is available (SUPP_LOC_TXT).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SupplementalLocationText { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteAddressRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteControlRecord Class

Row in FacilityNAICS table (New in CERS V2).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeFacilitySiteControlRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeFacilitySiteControlRecord](#)

Constructors

NodeFacilitySiteControlRecord	Initializes a new instance of the NodeFacilitySiteControlRecord class
---	---

Properties

ControlComment	Gets or sets additional information about the control.
ControlEndDate	Gets or sets the date the use of the control was ended.
ControlMeasureCode	Gets or sets code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.
ControlNumberOperatingMonths	Gets or sets the number of months per year the control operates.
ControlStartDate	Gets or sets the date the control was made effective.
ControlStatusCode	Gets or sets required code that identifies the operating status of the release point.
ControlStatusCodeYear	Gets or sets the year in which the operating status became applicable.
ControlUpgradeDate	Gets or sets the date on which the control device was most recently updated.
ControlUpgradeDescription	Gets or sets the optional description of the control update performed for the control at a facility.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PercentControlEffectiveness	Gets or sets estimate of the portion of the reporting period's activity for which the control device (including both capture and control measures) were operating as designed (regardless of whether the control measure is due to rule or voluntary).

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteControlRecord](#) Constructor

Initializes a new instance of the [NodeFacilitySiteControlRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeFacilitySiteControlRecord()
```

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteControlRecord.ControlComment Property

Gets or sets additional information about the control.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlComment { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteControlRecord](#).ControlEndDate Property

Gets or sets the date the use of the control was ended.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlEndDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteControlRecord](#).ControlMeasureCode Property

Gets or sets code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlMeasureCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteControlRecord.ControlNumberOperatingMonths Property

Gets or sets the number of months per year the control operates.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ControlNumberOperatingMonths { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Optional. Must be an integer between 1 and 12 if specified.

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteControlRecord](#).ControlStartDate Property

Gets or sets the date the control was made effective.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlStartDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteControlRecord.ControlStatusCode Property](#)

Gets or sets required code that identifies the operating status of the release point.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlStatusCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteControlRecord.ControlStatusCodeYear Property

Gets or sets the year in which the operating status became applicable.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ControlStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Required if the ControlStatusCode is not "OP".

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteControlRecord](#).ControlUpgradeDate Property

Gets or sets the date on which the control device was most recently updated.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? ControlUpgradeDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteControlRecord](#).[ControlUpgradeDescription](#) Property

Gets or sets the optional description of the control update performed for the control at a facility.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlUpgradeDescription { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteControlRecord.PercentControlEffectiveness Property

Gets or sets estimate of the portion of the reporting period's activity for which the control device (including both capture and control measures) were operating as designed (regardless of whether the control measure is due to rule or voluntary).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlEffectiveness { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Optional, but will be set to 100 if not specified. May be specified to 3 decimal positions.

See Also

Reference

[NodeFacilitySiteControlRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySitePathRecord Class

Identifies an activity, stationary article, process equipment, machine, or other device from which air pollutants emanate or are emitted either directly or indirectly into the environment at the facility site.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeFacilitySitePathRecord : NodeRecordBase
```

Inheritance [Object](#) → [NodeRecordBase](#) → [NodeFacilitySitePathRecord](#)

Constructors

NodeFacilitySitePathRecord	Initializes a new instance of the NodeFacilitySitePathRecord class
--	--

Properties

NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PathDescription	Gets or sets a description of a collection of control devices.
PathName	Gets or sets the common name given for a facility site path.
PercentPathEffectiveness	Gets or sets an estimate of the portion of the reporting period's activity for which the control device(s) were operating as designed (regardless of whether the control measure is due to rule or voluntary). EIS will retain 3 decimal positions of precision (truncated after the 3rd decimal position).

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

CisToNodeCore Object Model

ToString	Returns a string that represents the current object. (Inherited from Object)
-----------------	---

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySitePathRecord](#) Constructor

Initializes a new instance of the [NodeFacilitySitePathRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeFacilitySitePathRecord()
```

See Also

Reference

[NodeFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySitePathRecord.PathDescription](#) Property

Gets or sets a description of a collection of control devices.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PathDescription { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySitePathRecord.PathName Property](#)

Gets or sets the common name given for a facility site path.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PathName { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySitePathRecord.PercentPathEffectiveness Property](#)

Gets or sets an estimate of the portion of the reporting period's activity for which the control device(s) were operating as designed (regardless of whether the control measure is due to rule or voluntary). EIS will retain 3 decimal positions of precision (truncated after the 3rd decimal position).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentPathEffectiveness { get; set; }
```

Property Value

Nullable(Decimal)

[See Also](#)

Reference

[NodeFacilitySitePathRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord Class

Row of FacilitySite table. Node table: CERS_FAC_SITE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeFacilitySiteRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeFacilitySiteRecord](#)

Constructors

NodeFacilitySiteRecord	Initializes a new instance of the NodeFacilitySiteRecord class
--	--

Properties

AgencyID	Gets or sets the facility's agency ID.
AgencyIDEffectiveDate	Gets or sets the date on which the agency ID became effective.
AgencyName	Gets or sets the name of the regulatory state or region where the facility is located in. Node column: AGN_NAME.
AreaWithinPerimeter	Gets or sets the total area that is contained within the event perimeter for the reporting period. Node column: AREA_WTIN_PERM.
AreaWithinPerimeterUnitofMeasureCode	Gets or sets the code that identifies the unit of measure for the area within the event perimeter. Node column: AREA_WTIN_PERM_UNT_MEAS_CODE.
AttachmentFileContent	Gets or sets the data content of a file. Node column: ATCH_FILE_CONT.
AttachmentFileContentTypeCode	Gets or sets a code describing the content type of a file. Node column: ATCH_FILE_CONT_TYPE_CODE.
AttachmentFileDescription	Gets or sets description of file. Node column: ATCH_FILE_DESC.
AttachmentFileName	Gets or sets the text describing the descriptive name used to represent the file, including file extension. Node column: ATCH_FILE_NAME.
AttachmentFileSize	Gets or sets the size of the attached file. Node column: ATCH_FILE_SIZE.
CoordinateDataSourceCode	Gets or sets the code that represents the party responsible for providing the latitude and longitude coordinates. Node column: COORD_DATA_SRC_CODE.

DataCollectionDate	Gets or sets the calendar date when data were collected. Node column: DATA_COLL_DATE.
EpaID	Gets or sets the facility's EPA ID.
EpaIDEffectiveDate	Gets or sets the date on which the EPA ID became effective.
FacilityCategoryCode	Gets or sets code that identifies the Clean Air Act Stationary Source designation. Examples include major, minor, and synthetic minor. Node column: FAC_CATG_CODE.
FacilitySiteComment	Gets or sets any comments regarding the facility site. Node column: FAC_SITE_CMNT.
FacilitySiteDescription	Gets or sets supplemental text that describes the facility site. Node column: FAC_SITE_DESC.
FacilitySiteName	Gets or sets the name assigned to the facility site by the reporter. Node column: FAC_SITE_NAME.
FacilitySiteStatusCode	Gets or sets the code that identifies the operating status of the facility site. Node column: FAC_SITE_STAT_CODE.
FacilitySiteStatusCodeYear	Gets or sets the year in which the operating status became applicable. Node column: FAC_SITE_STAT_CODE_YEAR.
GeographicComment	Gets or sets the text that provides additional information about the geographic coordinates. Node column: GEO_CMNT.
GeographicReferencePointCode	Gets or sets the code that represents the place for which geographic coordinates were established. Node column: GEO_REF_PT_CODE.
GeometricTypeCode	Gets or sets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points. Node column: GEOM_TYPE_CODE.
HorizontalAccuracyMeasure	Gets or sets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates. Node column: HORZ_ACC_MEAS.
HorizontalAccuracyUnitofMeasure	Gets or sets the horizontal accuracy unit of measure. Node column: HORZ_ACC_UNT_MEAS.
HorizontalCollectionMethodCode	Gets or sets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth. Node column: HORZ_COLL_METH_CODE.
HorizontalReferenceDatumCode	Gets or sets the code that represents the reference datum used in determining latitude and longitude coordinates. Node column: HORZ_REF_DATUM_CODE.
LatitudeMeasure	Gets or sets the measure of the angular distance on a meridian north or south of the equator. Node column: LAT_MEAS.

LongitudeMeasure	Gets or sets the measure of the angular distance on a meridian east or west of the prime meridian. Node column: LONG_MEAS.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PercentofAreaProducingEmissions	Gets or sets the percent of the area within the shape or perimeter that was affected by the event (e.g., area actually blackened by a fire). Node column: PCNT_AREA_PROD_EMIS.
SectorTypeCode	Gets or sets the associated primary sector for a facility site. Examples include: General Stationary Combustion, Energy Production, Cement Production, Waste Water Treatment, etc. Node column: SECT_TYPE_CODE.
SourceMapScaleNumber	Gets or sets the number that represents the proportional distance on the ground for one unit of measure on the map or photo. Node column: SRC_MAP_SCALE_NUM.
VerificationMethodCode	Gets or sets the code that represents the process used to verify the latitude and longitude coordinates. Node column: VERF_METH_CODE.
VerticalCollectionMethodCode	Gets or sets the code that identifies the method used to collect the vertical measure (i.e., the altitude) of a reference point. Node column: VERT_COLL_METH_CODE.
VerticalMeasure	Gets or sets the measure of elevation (i.e., the altitude), above or below a reference datum. Node column: VERT_MEAS.
VerticalReferenceDatumCode	Gets or sets the code that represents the reference datum used to determine the vertical measure (i.e., the altitude). Node column: VERT_REF_DATUM_CODE.
VerticalUnitofMeasureCode	Gets or sets the vertical unit of measure. (verticalunitofmeasurecode) Node column: VERT_UNT_MEAS_CODE.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)

CisToNodeCore Object Model

GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord](#) Constructor

Initializes a new instance of the [NodeFacilitySiteRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeFacilitySiteRecord()
```

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.AgencyID Property

Gets or sets the facility's agency ID.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyID { get; set; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_IDEN.IDEN.

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.AgencyIDEffectiveDate Property

Gets or sets the date on which the agency ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? AgencyIDEffectiveDate { get; set; }
```

Property Value

Nullable(DateTime)

Remarks

Node column: CERS_EMIS_UNIT_IDEN.EFFC_DATE.

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.AgencyName Property

Gets or sets the name of the regulatory state or region where the facility is located in. Node column: AGN_NAME.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyName { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.AreaWithinPerimeter Property

Gets or sets the total area that is contained within the event perimeter for the reporting period. Node column: AREA_WTIN_PERM.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AreaWithinPerimeter { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.AreaWithinPerimeterUnitofMeasureCode Property

Gets or sets the code that identifies the unit of measure for the area within the event perimeter. Node column: AREA_WTIN_PERM_UNT_MEAS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AreaWithinPerimeterUnitofMeasureCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord](#).AttachmentFileContent Property

Gets or sets the data content of a file. Node column: ATCH_FILE_CONT.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public byte[] AttachmentFileContent { get; set; }
```

Property Value

Byte[]

[See Also](#)

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.AttachmentFileTypeCode Property

Gets or sets a code describing the content type of a file. Node column: ATCH_FILE_CONT_TYPE_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AttachmentFileTypeCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord](#).AttachmentFileDescription Property

Gets or sets description of file. Node column: ATCH_FILE_DESC.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AttachmentFileDescription { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.AttachmentFileName Property

Gets or sets the text describing the descriptive name used to represent the file, including file extension.
Node column: ATCH_FILE_NAME.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AttachmentFileName { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord](#).AttachmentFileSize Property

Gets or sets the size of the attached file. Node column: ATCH_FILE_SIZE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AttachmentFileSize { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.CoordinateDataSourceCode Property

Gets or sets the code that represents the party responsible for providing the latitude and longitude coordinates. Node column: COORD_DATA_SRC_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CoordinateDataSourceCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord](#).DataCollectionDate Property

Gets or sets the calendar date when data were collected. Node column: DATA_COLL_DATE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? DataCollectionDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.EpaID Property

Gets or sets the facility's EPA ID.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EpaID { get; set; }
```

Property Value

String

Remarks

Node column: CERS_EMIS_UNIT_IDEN.IDEN.

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord.EpaIDEffectiveDate](#) Property

Gets or sets the date on which the EPA ID became effective.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EpaIDEffectiveDate { get; set; }
```

Property Value

Nullable(DateTime)

Remarks

Node column: CERS_EMIS_UNIT_IDEN.EFFC_DATE.

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.FacilityCategoryCode Property

Gets or sets code that identifies the Clean Air Act Stationary Source designation. Examples include major, minor, and synthetic minor. Node column: FAC_CATG_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilityCategoryCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord.FacilitySiteComment Property](#)

Gets or sets any comments regarding the facility site. Node column: FAC_SITE_CMNT.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteComment { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord.FacilitySiteDescription Property](#)

Gets or sets supplemental text that describes the facility site. Node column: FAC_SITE_DESC.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteDescription { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.FacilitySiteName Property

Gets or sets the name assigned to the facility site by the reporter. Node column: FAC_SITE_NAME.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteName { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.FacilitySiteStatusCode Property

Gets or sets the code that identifies the operating status of the facility site. Node column: FAC_SITE_STAT_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string FacilitySiteStatusCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord.FacilitySiteStatusCodeYear Property](#)

Gets or sets the year in which the operating status became applicable. Node column: FAC_SITE_STAT_CODE_YEAR.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? FacilitySiteStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

[See Also](#)

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.GeographicComment Property

Gets or sets the text that provides additional information about the geographic coordinates. Node column: GEO_CMNT.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicComment { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.GeographicReferencePointCode Property

Gets or sets the code that represents the place for which geographic coordinates were established.

Node column: GEO_REF_PT_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicReferencePointCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.GeometricTypeCode Property

Gets or sets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points. Node column: GEOM_TYPE_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeometricTypeCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.HorizontalAccuracyMeasure Property

Gets or sets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates. Node column: HORZ_ACC_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyMeasure { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.HorizontalAccuracyUnitofMeasure Property

Gets or sets the horizontal accuracy unit of measure. Node column: HORZ_ACC_UNT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyUnitofMeasure { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.HorizontalCollectionMethodCode Property

Gets or sets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth. Node column: HORZ_COLL_METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalCollectionMethodCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord.HorizontalReferenceDatumCode Property](#)

Gets or sets the code that represents the reference datum used in determining latitude and longitude coordinates. Node column: HORZ_REF_DATUM_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalReferenceDatumCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.LatitudeMeasure Property

Gets or sets the measure of the angular distance on a meridian north or south of the equator. Node column: LAT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LatitudeMeasure { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.LongitudeMeasure Property

Gets or sets the measure of the angular distance on a meridian east or west of the prime meridian. Node column: LONG_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LongitudeMeasure { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord.PercentofAreaProducingEmissions Property](#)

Gets or sets the percent of the area within the shape or perimeter that was affected by the event (e.g., area actually blackened by a fire). Node column: PCNT_AREA_PROD_EMIS.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentofAreaProducingEmissions { get; set; }
```

Property Value

Nullable(Decimal)

[See Also](#)

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord.SectorTypeCode Property](#)

Gets or sets the associated primary sector for a facility site. Examples include: General Stationary Combustion, Energy Production, Cement Production, Waste Water Treatment, etc. Node column: SECT_TYPE_CODE.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SectorTypeCode { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeFacilitySiteRecord.SourceMapScaleNumber Property](#)

Gets or sets the number that represents the proportional distance on the ground for one unit of measure on the map or photo. Node column: SRC_MAP_SCALE_NUM.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SourceMapScaleNumber { get; set; }
```

Property Value

String

[See Also](#)

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.VerificationMethodCode Property

Gets or sets the code that represents the process used to verify the latitude and longitude coordinates.
Node column: VERF_METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerificationMethodCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.VerticalCollectionMethodCode Property

Gets or sets the code that identifies the method used to collect the vertical measure (i.e., the altitude) of a reference point. Node column: VERT_COLL_METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalCollectionMethodCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.VerticalMeasure Property

Gets or sets the measure of elevation (i.e., the altitude), above or below a reference datum. Node column: VERT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalMeasure { get; set; }
```

Property Value

String

See Also

Reference

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.VerticalReferenceDatumCode Property

Gets or sets the code that represents the reference datum used to determine the vertical measure (i.e., the altitude). Node column: VERT_REF_DATUM_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalReferenceDatumCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeFacilitySiteRecord.VerticalUnitofMeasureCode Property

Gets or sets the vertical unit of measure. (verticalunitofmeasurecode) Node column: VERT_UNT_MEAS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalUnitofMeasureCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeFacilitySiteRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord Class

EIS GeographicCoordinate component. Node table: CERS_FAC_SITE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeGeographicCoordinateRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeGeographicCoordinateRecord](#)

Constructors

NodeGeographicCoordinateRecord	Initializes a new instance of the NodeGeographicCoordinateRecord class
--	---

Properties

AreaWithinPerimeter	Gets or sets the total area that is contained within the event perimeter for the reporting period. Node column: AREA_WTIN_PERM.
AreaWithinPerimeterUnitofMeasureCode	Gets or sets the code that identifies the unit of measure for the area within the event perimeter. Node column: AREA_WTIN_PERM_UNT_MEAS_CODE.
CoordinateDataSourceCode	Gets or sets the code that represents the party responsible for providing the latitude and longitude coordinates. Node column: COORD_DATA_SRC_CODE.
DataCollectionDate	Gets or sets the calendar date when data were collected. Node column: DATA_COLL_DATE.
GeographicComment	Gets or sets the text that provides additional information about the geographic coordinates. Node column: GEO_CMNT.
GeographicReferencePointCode	Gets or sets the code that represents the place for which geographic coordinates were established. Node column: GEO_REF_PT_CODE.
GeometricTypeCode	Gets or sets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points. Node column: GEOM_TYPE_CODE.
HorizontalAccuracyMeasure	Gets or sets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates. Node column: HORZ_ACC_MEAS.

HorizontalAccuracyUnitofMeasure	Gets or sets the horizontal accuracy unit of measure. Node column: HORZ_ACC_UNT_MEAS.
HorizontalCollectionMethodCode	Gets or sets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth. Node column: HORZ_COLL_METH_CODE.
HorizontalReferenceDatumCode	Gets or sets the code that represents the reference datum used in determining latitude and longitude coordinates. Node column: HORZ_REF_DATUM_CODE.
LatitudeMeasure	Gets or sets the measure of the angular distance on a meridian north or south of the equator. Node column: LAT_MEAS.
LongitudeMeasure	Gets or sets the measure of the angular distance on a meridian east or west of the prime meridian. Node column: LONG_MEAS.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
SourceMapScaleNumber	Gets or sets the number that represents the proportional distance on the ground for one unit of measure on the map or photo. Node column: SRC_MAP_SCALE_NUM.
VerificationMethodCode	Gets or sets the code that represents the process used to verify the latitude and longitude coordinates. Node column: VERF_METH_CODE.
VerticalCollectionMethodCode	Gets or sets the code that identifies the method used to collect the vertical measure (i.e., the altitude) of a reference point. Node column: VERT_COLL_METH_CODE.
VerticalMeasure	Gets or sets the measure of elevation (i.e., the altitude), above or below a reference datum. Node column: VERT_MEAS.
VerticalReferenceDatumCode	Gets or sets the code that represents the reference datum used to determine the vertical measure (i.e., the altitude). Node column: VERT_REF_DATUM_CODE.
VerticalUnitofMeasureCode	Gets or sets the vertical unit of measure. (verticalunitofmeasurecode) Node column: VERT_UNT_MEAS_CODE.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
------------------------	---

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

[See Also](#)

Reference

[CaisToNodeCore.Models.Node Namespace](#)

[NodeGeographicCoordinateRecord](#) Constructor

Initializes a new instance of the [NodeGeographicCoordinateRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeGeographicCoordinateRecord()
```

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.AreaWithinPerimeter Property

Gets or sets the total area that is contained within the event perimeter for the reporting period. Node column: AREA_WTIN_PERM.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AreaWithinPerimeter { get; set; }
```

Property Value

String

Remarks

Used only for events.

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.AreaWithinPerimeterUnitofMeasureCode Property

Gets or sets the code that identifies the unit of measure for the area within the event perimeter. Node column: AREA_WTIN_PERM_UNT_MEAS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AreaWithinPerimeterUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Used only for events.

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.CoordinateDataSourceCode Property

Gets or sets the code that represents the party responsible for providing the latitude and longitude coordinates. Node column: COORD_DATA_SRC_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CoordinateDataSourceCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.DataCollectionDate Property

Gets or sets the calendar date when data were collected. Node column: DATA_COLL_DATE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? DataCollectionDate { get; set; }
```

Property Value

Nullable(DateTime)

See Also

[Reference](#)

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.GeographicComment Property

Gets or sets the text that provides additional information about the geographic coordinates. Node column: GEO_CMNT.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicComment { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.GeographicReferencePointCode Property

Gets or sets the code that represents the place for which geographic coordinates were established.
Node column: GEO_REF_PT_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicReferencePointCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.GeometricTypeCode Property

Gets or sets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points. Node column: GEOM_TYPE_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeometricTypeCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.HorizontalAccuracyMeasure Property

Gets or sets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates. Node column: HORZ_ACC_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyMeasure { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.HorizontalAccuracyUnitofMeasure Property

Gets or sets the horizontal accuracy unit of measure. Node column: HORZ_ACC_UNT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyUnitofMeasure { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.HorizontalCollectionMethodCode Property

Gets or sets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth. Node column: HORZ_COLL_METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalCollectionMethodCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.HorizontalReferenceDatumCode Property

Gets or sets the code that represents the reference datum used in determining latitude and longitude coordinates. Node column: HORZ_REF_DATUM_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalReferenceDatumCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.LatitudeMeasure Property

Gets or sets the measure of the angular distance on a meridian north or south of the equator. Node column: LAT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LatitudeMeasure { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.LongitudeMeasure Property

Gets or sets the measure of the angular distance on a meridian east or west of the prime meridian. Node column: LONG_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LongitudeMeasure { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeGeographicCoordinateRecord](#).SourceMapScaleNumber Property

Gets or sets the number that represents the proportional distance on the ground for one unit of measure on the map or photo. Node column: SRC_MAP_SCALE_NUM.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SourceMapScaleNumber { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeGeographicCoordinateRecord.VerificationMethodCode Property](#)

Gets or sets the code that represents the process used to verify the latitude and longitude coordinates.
Node column: VERF_METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerificationMethodCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.VerticalCollectionMethodCode Property

Gets or sets the code that identifies the method used to collect the vertical measure (i.e., the altitude) of a reference point. Node column: VERT_COLL METH_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalCollectionMethodCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.VerticalMeasure Property

Gets or sets the measure of elevation (i.e., the altitude), above or below a reference datum. Node column: VERT_MEAS.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalMeasure { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.VerticalReferenceDatumCode Property

Gets or sets the code that represents the reference datum used to determine the vertical measure (i.e., the altitude). Node column: VERT_REF_DATUM_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalReferenceDatumCode { get; set; }
```

Property Value

String

See Also

Reference

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeGeographicCoordinateRecord.VerticalUnitofMeasureCode Property

Gets or sets the vertical unit of measure. (verticalunitofmeasurecode) Node column:
VERT_UNT_MEAS_CODE.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalUnitofMeasureCode { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeGeographicCoordinateRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeManager Class

Manages data to be uploaded to the Node staging tables.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeManager : INodeManager
```

Inheritance **Object** → NodeManager

Implements [INodeManager](#)

Constructors

NodeManager	Initializes a new instance of the NodeManager class.
-----------------------------	--

Properties

Facade	Gets an object with lists representing the node staging tables.
------------------------	---

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GenerateCersRecord	Generates the Node CERS record.
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
PopulateNodeAsync	Populates node staging tables with data from the Facade object.
PurgeNodeForYearAsync	Deletes all node data for year (from settings) and category.
ToString	Returns a string that represents the current object. (Inherited from Object)

CisToNodeCore Object Model

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeManager Constructor

Initializes a new instance of the [NodeManager](#) class.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeManager(  
    ISettingsManager settingsManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Object containing settings and preferences.

See Also

Reference

[NodeManager Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeManager.Facade Property

Gets an object with lists representing the node staging tables.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeFacade Facade { get; private set; }
```

Property Value

[NodeFacade](#)

Implements

[INodeManager.Facade](#)

See Also

Reference

[NodeManager Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeManager.GenerateCersRecord Method

Generates the Node CERS record.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GenerateCersRecord(  
    DataCategory category,  
    string submittalComment  
)
```

Parameters

category [DataCategory](#)

Data category.

submittalComment [String](#)

Submittal comment (255 char max).

Return Value

String

The CERS ID (Node Key) for that category.

Implements

[INodeManager.GenerateCersRecord\(DataCategory, String\)](#)

See Also

Reference

[NodeManager Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeManager.PopulateNodeAsync Method

Populates node staging tables with data from the Facade object.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task PopulateNodeAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[INodeManager.PopulateNodeAsync\(\)](#)

See Also

Reference

[NodeManager Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeManager.PurgeNodeForYearAsync Method

Deletes all node data for year (from settings) and category.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task PurgeNodeForYearAsync(  
    DataCategory category  
)
```

Parameters

category [DataCategory](#)

Data category to be removed.

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[INodeManager.PurgeNodeForYearAsync\(DataCategory\)](#)

Remarks

Deletes the corresponding CERS records, relies on the node's RE rules to delete children.

See Also

Reference

[NodeManager Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord Class

Identifies the specific operational activities that produce emissions either directly or indirectly.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeProcessRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeProcessRecord](#)

Constructors

NodeProcessRecord	Initializes a new instance of the NodeProcessRecord class
-----------------------------------	---

Properties

AircraftEngineTypeCode	Gets or sets identifies the combination of aircraft and engine type for airport emissions.
ControlApproachComment	Gets or sets comments regarding the control approach.
ControlApproachDescription	Gets or sets description of the overall control system or approach applied to an emissions unit or process.
EmissionsTypeCode	Gets or sets defines the type of emissions produced by onroad and nonroad sources. Used for mobile sources only. examples include exhaust, evaporative and tire wear.
FirstInventoryYear	Gets or sets the inventory year for which the controls were implemented. (point only.)
LastEmissionsYear	Gets or sets the last year in which emissions occurred for this process.
LastInventoryYear	Gets or sets the last inventory year for which the controls were active. (point only.)
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PercentControlApproachCaptureEfficiency	Gets or sets an estimate of that portion of an affected emission stream that is collected and routed to the control measures when the capture or collection system is operating as designed, reported as a percent.

PercentControlApproachEffectiveness	Gets or sets an estimate of the portion of the reporting period's activity for which the overall control system or approach (including both capture and control measures) were operating as designed (regardless of whether the control measure is due to rule or voluntary).
PercentControlApproachPenetration	Gets or sets an estimate of the percent value of the nonpoint activity throughput that is affected by a rule or voluntary approach for the given location. (nonpoint only.)
ProcessComment	Gets or sets any comments regarding the emissions process.
ProcessDescription	Gets or sets a text description of the emissions process.
ProcessStatusCode	Gets or sets code that identifies the operating status of the emissions process.
ProcessStatusCodeYear	Gets or sets the year in which the process status became applicable.
ProcessTypeCode	Gets or sets defines the type of emissions produced by ghg processes. Examples included for a scope 1 stationary combustion might be oil, gas, coal.
SourceClassificationCode	Gets or sets epa source classification code that identifies an emissions process.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

[Reference](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord Constructor

Initializes a new instance of the [NodeProcessRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeProcessRecord()
```

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.AircraftEngineTypeCode Property

Gets or sets identifies the combination of aircraft and engine type for airport emissions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AircraftEngineTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC.AIRCRAFT_ENGINE_TYPE_CODE.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.ControlApproachComment Property

Gets or sets comments regarding the control approach.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlApproachComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC.CTRL_APCH_CMNT.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.ControlApproachDescription Property

Gets or sets description of the overall control system or approach applied to an emissions unit or process.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlApproachDescription { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC.CTRL_APCH_DESC.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.EmissionsTypeCode Property

Gets or sets defines the type of emissions produced by onroad and nonroad sources. Used for mobile sources only. examples include exhaust, evaporative and tire wear.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionsTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC.EMIS_TYPE_CODE.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeProcessRecord.FirstInventoryYear Property](#)

Gets or sets the inventory year for which the controls were implemented. (point only.)

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? FirstInventoryYear { get; set; }
```

Property Value

Nullable(Int32)

[Remarks](#)

Node: CERS_EMIS_UNIT_PROC.FIRST_INVEN_YEAR.

[See Also](#)

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeProcessRecord.LastEmissionsYear Property](#)

Gets or sets the last year in which emissions occurred for this process.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? LastEmissionsYear { get; set; }
```

Property Value

Nullable(Int32)

[Remarks](#)

Replaced in EIS V2 by ProcessStatusCode and ProcessStatusCodeYear. Node:
CERS_EMIS_UNIT_PROC.LAST_EMIS_YEAR.

[See Also](#)

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.LastInventoryYear Property

Gets or sets the last inventory year for which the controls were active. (point only.)

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? LastInventoryYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Node: CERS_EMIS_UNIT_PROC.LAST_INVEN_YEAR.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.PercentControlApproachCaptureEfficiency Property

Gets or sets an estimate of that portion of an affected emission stream that is collected and routed to the control measures when the capture or collection system is operating as designed, reported as a percent.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlApproachCaptureEfficiency { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT_PROC.PCNT_CTRL_APCH_CAP_EFCY.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.PercentControlApproachEffectiveness Property

Gets or sets an estimate of the portion of the reporting period's activity for which the overall control system or approach (including both capture and control measures) were operating as designed (regardless of whether the control measure is due to rule or voluntary).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlApproachEffectiveness { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT_PROC.PCNT_CTRL_APCH_EFCT.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.PercentControlApproachPenetration Property

Gets or sets an estimate of the percent value of the nonpoint activity throughput that is affected by a rule or voluntary approach for the given location. (nonpoint only.)

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlApproachPenetration { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT_PROC.PCNT_CTRL_APCH_PEN.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.ProcessComment Property

Gets or sets any comments regarding the emissions process.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC.PROC_CMNT.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.ProcessDescription Property

Gets or sets a text description of the emissions process.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessDescription { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC.PROC_DESC.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.ProcessStatusCode Property

Gets or sets code that identifies the operating status of the emissions process.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessStatusCode { get; set; }
```

Property Value

String

Remarks

Node: TBD (New in EIS V2).

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.ProcessStatusCodeYear Property

Gets or sets the year in which the process status became applicable.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ProcessStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Node: TBD (New in EIS V2).

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.ProcessTypeCode Property

Gets or sets defines the type of emissions produced by ghg processes. Examples included for a scope 1 stationary combustion might be oil, gas, coal.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ProcessTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC.PROC_TYPE_CODE.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeProcessRecord.SourceClassificationCode Property

Gets or sets epa source classification code that identifies an emissions process.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SourceClassificationCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC.SRC_CLASS_CODE.

See Also

Reference

[NodeProcessRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeRecordBase Class

Base record for node items.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeRecordBase
```

Inheritance **Object** → NodeRecordBase

Derived

[CaisToNodeCore.Models.EisSnapshot.EisFacilitySitePathRecord](#)
[CaisToNodeCore.Models.Node.NodeBasicIdentificationRecord](#)
[CaisToNodeCore.Models.Node.NodeControlMeasureRecord](#)
[CaisToNodeCore.Models.Node.NodeControlPathDefinitionRecord](#)
[CaisToNodeCore.Models.Node.NodeControlPollutantRecord](#)
[CaisToNodeCore.Models.Node.NodeFacilityIdentificationRecord](#)
[CaisToNodeCore.Models.Node.NodeFacilityNAICSRecord](#)
[CaisToNodeCore.Models.Node.NodeFacilitySiteAddressRecord](#)
[CaisToNodeCore.Models.Node.NodeFacilitySiteControlRecord](#)
[CaisToNodeCore.Models.Node.NodeFacilitySitePathRecord](#)
[CaisToNodeCore.Models.Node.NodeFacilitySiteRecord](#)
[CaisToNodeCore.Models.Node.NodeGeographicCoordinateRecord](#)
[CaisToNodeCore.Models.Node.NodeProcessRecord](#)
[CaisToNodeCore.Models.Node.NodeReleasePointApportionmentRecord](#)
[CaisToNodeCore.Models.Node.NodeReleasePointRecord](#)
[CaisToNodeCore.Models.Node.NodeReportingPeriodEmissionsRecord](#)
[CaisToNodeCore.Models.Node.NodeReportingPeriodRecord](#)
[CaisToNodeCore.Models.Node.NodeUnitRecord](#)

Constructors

NodeRecordBase	Initializes a new instance of the NodeRecordBase class
--------------------------------	---

Properties

NodeKey	Gets or sets the record's primary key in the node staging tables.
NodeParentKey	Gets or sets the parent's primary key in the node staging tables.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
------------------------	--

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeRecordBase Constructor

Initializes a new instance of the [NodeRecordBase](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeRecordBase()
```

See Also

Reference

[NodeRecordBase Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeRecordBase.NodeKey Property

Gets or sets the record's primary key in the node staging tables.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeKey { get; set; }
```

Property Value

String

See Also

Reference

[NodeRecordBase Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeRecordBase.NodeParentKey Property](#)

Gets or sets the parent's primary key in the node staging tables.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NodeParentKey { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[NodeRecordBase Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointApportionmentRecord Class

The percent of emissions for an emissions process that are vented through the emissions release point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeReleasePointApportionmentRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeReleasePointApportionmentRecord](#)

Constructors

NodeReleasePointApportionmentRecord	Initializes a new instance of the NodeReleasePointApportionmentRecord class
---	--

Properties

AveragePercentEmissions	Gets or sets the average annual percent of an emissions process that is vented through a release point.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
ReleasePointApportionmentComment	Gets or sets comment regarding the average apportionment of emissions vented through a release point.
ReleasePointApportionmentIsUncontrolled	Gets or sets an indicator as to whether the release point apportionment is uncontrolled.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)

CisToNodeCore Object Model

MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointApportionmentRecord](#) Constructor

Initializes a new instance of the [NodeReleasePointApportionmentRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeReleasePointApportionmentRecord()
```

See Also

Reference

[NodeReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointApportionmentRecord.AveragePercentEmissions Property

Gets or sets the average annual percent of an emissions process that is vented through a release point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal AveragePercentEmissions { get; set; }
```

Property Value

Decimal

Remarks

Node: CERS_EMS_UNT_PRC_RL_PT_APPR.AVE_PCNT_EMIS.

See Also

Reference

[NodeReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointApportionmentRecord.ReleasePointApportionmentComment Property

Gets or sets comment regarding the average apportionment of emissions vented through a release point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointApportionmentComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RL_PT_APPR.REL_PT_APPR_CMNT.

See Also

Reference

[NodeReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointApportionmentRecord.ReleasePointApportionments Uncontrolled Property

Gets or sets an indicator as to whether the release point apportionment is uncontrolled.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointApportionmentIsUncontrolled { get; set; }
```

Property Value

String

Remarks

Optional. A value of “Y” means that the process – release point combination does not have any control devices applied to it. A value of “N” means that there are control devices that apply to this process – release point combination.

See Also

Reference

[NodeReleasePointApportionmentRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord Class

Identifies the point at which emissions are released into the environment, via a stack or fugitive release.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeReleasePointRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeReleasePointRecord](#)

Constructors

NodeReleasePointRecord	Initializes a new instance of the NodeReleasePointRecord class
--	--

Properties

AgencyID	Gets or sets the process agency ID.
AreaWithinPerimeter	Gets or sets total area that is contained within the event perimeter for the reporting period.
AreaWithinPerimeterUnitofMeasureCode	Gets or sets code that identifies the unit of measure for the area within the event perimeter.
CoordinateDataSourceCode	Gets or sets the code that represents the party responsible for providing the latitude and longitude coordinates.
DataCollectionDate	Gets or sets the calendar date when data were collected.
GeographicComment	Gets or sets the text that provides additional information about the geographic coordinates.
GeographicReferencePointCode	Gets or sets the code that represents the place for which geographic coordinates were established.
GeometricTypeCode	Gets or sets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points.
HorizontalAccuracyMeasure	Gets or sets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates.
HorizontalAccuracyUnitofMeasure	Gets or sets the horizontal accuracy unit of measure.
HorizontalCollectionMethodCode	Gets or sets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth.

HorizontalReferenceDatumCode	Gets or sets the code that represents the reference datum used in determining latitude and longitude coordinates.
LatitudeMeasure	Gets or sets the measure of the angular distance on a meridian north or south of the equator.
LongitudeMeasure	Gets or sets the measure of the angular distance on a meridian east or west of the prime meridian.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PercentofAreaProducingEmissions	Gets or sets the percent of the area within the shape or perimeter that was affected by the event (e.g., area actually blackened by a fire)..
ReleasePointComment	Gets or sets any comments regarding the release point.
ReleasePointDescription	Gets or sets text description of release point.
ReleasePointExitGasFlowRateMeasure	Gets or sets the value of the stack gas flow rate.
ReleasePointExitGasFlowRateUnitofMeasureCode	Gets or sets the unit of measure for the stack gas flow rate value.
ReleasePointExitGasTemperatureMeasure	Gets or sets the temperature of an exit gas stream (measured in degrees fahrenheit).
ReleasePointExitGasVelocityMeasure	Gets or sets the velocity of an exit gas stream.
ReleasePointExitGasVelocityUnitofMeasureCode	Gets or sets the unit of measure for the velocity of an exit gas stream value.
ReleasePointFenceLineDistanceMeasure	Gets or sets the measure of the horizontal distance to the nearest fence line of a property within which the release point is located.
ReleasePointFenceLineDistanceUnitofMeasureCode	Gets or sets the fence line distance unit of measure.
ReleasePointFugitiveAngleMeasure	Gets or sets the orientation angle for the area in degrees from north, measured positive in the clockwise direction.
ReleasePointFugitiveHeightMeasure	Gets or sets the fugitive release height above terrain of fugitive emissions.
ReleasePointFugitiveHeightUnitofMeasureCode	Gets or sets the fugitive release height unit of measure.

ReleasePointFugitiveLengthMeasure	Gets or sets the length (measured in feet) of the fugitive release in the north-south direction as if the angle is zero degrees.
ReleasePointFugitiveLengthUnitofMeasureCode	Gets or sets the fugitive length unit of measure code.
ReleasePointFugitiveWidthMeasure	Gets or sets the width of the fugitive release in the east-west direction as if the angle is zero degrees.
ReleasePointFugitiveWidthUnitofMeasureCode	Gets or sets the fugitive width unit of measure code.
ReleasePointStackDiameterMeasure	Gets or sets the internal diameter of the stack (measured in feet) at the release height.
ReleasePointStackDiameterUnitofMeasureCode	Gets or sets the stack diameter unit of measure.
ReleasePointStackHeightMeasure	Gets or sets the height of the stack from the ground.
ReleasePointStackHeightUnitofMeasureCode	Gets or sets the stack height unit of measure.
ReleasePointStatusCode	Gets or sets code that identifies the operating status of the release point.
ReleasePointStatusCodeYear	Gets or sets the year in which the release point status became applicable.
ReleasePointTypeCode	Gets or sets code that identifies the type of release point.
SourceMapScaleNumber	Gets or sets the number that represents the proportional distance on the ground for one unit of measure on the map or photo.
VerificationMethodCode	Gets or sets the code that represents the process used to verify the latitude and longitude coordinates.
VerticalCollectionMethodCode	Gets or sets the code that identifies the method used to collect the vertical measure (i.e., the altitude) of a reference point.
VerticalMeasure	Gets or sets the measure of elevation (i.e., the altitude), above or below a reference datum.
VerticalReferenceDatumCode	Gets or sets the code that represents the reference datum used to determine the vertical measure (i.e., the altitude).
VerticalUnitofMeasureCode	Gets or sets the vertical unit of measure.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
------------------------	--

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

[See Also](#)

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord Constructor

Initializes a new instance of the [NodeReleasePointRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeReleasePointRecord()
```

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.AgencyID Property

Gets or sets the process agency ID.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AgencyID { get; set; }
```

Property Value

String

Remarks

Node column: CERS_REL_PT_IDEN.IDEN.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.AreaWithinPerimeter Property

Gets or sets total area that is contained within the event perimeter for the reporting period.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AreaWithinPerimeter { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.AREA_WTIN_PERM.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.AreaWithinPerimeterUnitofMeasureCode Property

Gets or sets code that identifies the unit of measure for the area within the event perimeter.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AreaWithinPerimeterUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.AREA_WTIN_PERM_UNT_MEAS_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.CoordinateDataSourceCode Property

Gets or sets the code that represents the party responsible for providing the latitude and longitude coordinates.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CoordinateDataSourceCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.COORD_DATA_SRC_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.DataCollectionDate Property

Gets or sets the calendar date when data were collected.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? DataCollectionDate { get; set; }
```

Property Value

Nullable(DateTime)

Remarks

Node table: CERS_REL_PT.DATA_COLL_DATE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.GeographicComment Property

Gets or sets the text that provides additional information about the geographic coordinates.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.GEO_CMNT.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.GeographicReferencePointCode Property

Gets or sets the code that represents the place for which geographic coordinates were established.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeographicReferencePointCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.GEO_REF_PT_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.GeometricTypeCode Property

Gets or sets the code that represents the geometric entity represented by one point or a sequence of latitude and longitude points.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string GeometricTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.GEOM_TYPE_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointRecord.HorizontalAccuracyMeasure Property](#)

Gets or sets the horizontal measure, in meters, of the relative accuracy of the latitude and longitude coordinates.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyMeasure { get; set; }
```

Property Value

String

[Remarks](#)

Node: CERS_REL_PT.HORZ_ACC_MEAS.

[See Also](#)

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.HorizontalAccuracyUnitofMeasure Property

Gets or sets the horizontal accuracy unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalAccuracyUnitofMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.HORZ_ACC_UNT_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.HorizontalCollectionMethodCode Property

Gets or sets the code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalCollectionMethodCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.HORZ_COLL_METH_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.HorizontalReferenceDatumCode Property

Gets or sets the code that represents the reference datum used in determining latitude and longitude coordinates.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string HorizontalReferenceDatumCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.HORZ_REF_DATUM_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.LatitudeMeasure Property

Gets or sets the measure of the angular distance on a meridian north or south of the equator.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LatitudeMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.LAT_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.LongitudeMeasure Property

Gets or sets the measure of the angular distance on a meridian east or west of the prime meridian.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string LongitudeMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.LONG_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.PercentofAreaProducingEmissions Property

Gets or sets the percent of the area within the shape or perimeter that was affected by the event (e.g., area actually blackened by a fire)..

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentofAreaProducingEmissions { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_REL_PT.PCNT_AREA_PROD_EMIS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointComment Property

Gets or sets any comments regarding the release point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_CMNT.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointDescription Property

Gets or sets text description of release point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointDescription { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_DESC.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointExitGasFlowRateMeasure Property

Gets or sets the value of the stack gas flow rate.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasFlowRateMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_EXIT_GAS_FLOW_RATE_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointExitGasFlowRateUnitofMeasureCode Property

Gets or sets the unit of measure for the stack gas flow rate value.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasFlowRateUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.RL_PT_EXT_GS_FLW_RTE_UNT_MS_CD.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointExitGasTemperatureMeasure Property

Gets or sets the temperature of an exit gas stream (measured in degrees fahrenheit).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasTemperatureMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_EXIT_GAS_TMP_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointExitGasVelocityMeasure Property

Gets or sets the velocity of an exit gas stream.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasVelocityMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_EXIT_GAS_VEL_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointRecord](#).[ReleasePointExitGasVelocityUnitofMeasureCode](#) Property

Gets or sets the unit of measure for the velocity of an exit gas stream value.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointExitGasVelocityUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.RL_PT_EXT_GS_VL_UNT_MS_CDE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointFenceLineDistanceMeasure Property

Gets or sets the measure of the horizontal distance to the nearest fence line of a property within which the release point is located.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFenceLineDistanceMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_FENCE_LINE_DIST_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointFenceLineDistanceUnitofMeasureCode Property

Gets or sets the fence line distance unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFenceLineDistanceUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.RL_PT_FNCE_LNE_DST_UNT_MS_CDE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointFugitiveAngleMeasure Property

Gets or sets the orientation angle for the area in degrees from north, measured positive in the clockwise direction.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveAngleMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_FGTV_ANGLE_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointFugitiveHeightMeasure Property

Gets or sets the fugitive release height above terrain of fugitive emissions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveHeightMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_FGTV_HGT_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointRecord](#).[ReleasePointFugitiveHeightUnitofMeasureCode](#) Property

Gets or sets the fugitive release height unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveHeightUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_FGTV_HGT_UNT_MEAS_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointRecord](#).[ReleasePointFugitiveLengthMeasure](#) Property

Gets or sets the length (measured in feet) of the fugitive release in the north-south direction as if the angle is zero degrees.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveLengthMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_FGTV_LEN_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointRecord](#).[ReleasePointFugitiveLengthUnitofMeasureCode](#) Property

Gets or sets the fugitive length unit of measure code.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveLengthUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_FGTV_LEN_UNT_MEAS_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointFugitiveWidthMeasure Property

Gets or sets the width of the fugitive release in the east-west direction as if the angle is zero degrees.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveWidthMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_FGTV_WID_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointFugitiveWidthUnitofMeasureCode Property

Gets or sets the fugitive width unit of measure code.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointFugitiveWidthUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_FGTV_WID_UNT_MEAS_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointStackDiameterMeasure Property

Gets or sets the internal diameter of the stack (measured in feet) at the release height.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStackDiameterMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_STK_DIA_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointRecord](#).ReleasePointStackDiameterUnitofMeasureCode Property

Gets or sets the stack diameter unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStackDiameterUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_STK_DIA_UNT_MEAS_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointStackHeightMeasure Property

Gets or sets the height of the stack from the ground.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStackHeightMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_STK_HGT_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointStackHeightUnitofMeasureCode Property

Gets or sets the stack height unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStackHeightUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_STK_HGT_UNT_MEAS_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointStatusCode Property

Gets or sets code that identifies the operating status of the release point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointStatusCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_STAT_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointStatusCodeYear Property

Gets or sets the year in which the release point status became applicable.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? ReleasePointStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Node table: CERS_REL_PT.REL_PT_STAT_CODE_YEAR.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.ReleasePointTypeCode Property

Gets or sets code that identifies the type of release point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReleasePointTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.REL_PT_TYPE_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointRecord.SourceMapScaleNumber Property](#)

Gets or sets the number that represents the proportional distance on the ground for one unit of measure on the map or photo.

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SourceMapScaleNumber { get; set; }
```

Property Value

String

[Remarks](#)

Node: CERS_REL_PT.SRC_MAP_SCALE_NUM.

[See Also](#)

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.VerificationMethodCode Property

Gets or sets the code that represents the process used to verify the latitude and longitude coordinates.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerificationMethodCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.VERF_METH_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReleasePointRecord.VerticalCollectionMethodCode Property](#)

Gets or sets the code that identifies the method used to collect the vertical measure (i.e., the altitude) of a reference point.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalCollectionMethodCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.VERT_COLL_METH_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.VerticalMeasure Property

Gets or sets the measure of elevation (i.e., the altitude), above or below a reference datum.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.VERT_MEAS.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.VerticalReferenceDatumCode Property

Gets or sets the code that represents the reference datum used to determine the vertical measure (i.e., the altitude).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalReferenceDatumCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.VERT_REF_DATUM_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReleasePointRecord.VerticalUnitofMeasureCode Property

Gets or sets the vertical unit of measure.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string VerticalUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_REL_PT.VERT_UNT_MEAS_CODE.

See Also

Reference

[NodeReleasePointRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord Class

Identifies all pollutants being reported for the process and reporting period.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeReportingPeriodEmissionsRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeReportingPeriodEmissionsRecord](#)

Constructors

NodeReportingPeriodEmissionsRecord	Initializes a new instance of the NodeReportingPeriodEmissionsRecord class
--	---

Properties

AlgorithmComment	Gets or sets information about the algorithm, including units of measure, for the calculation method.
AlgorithmFormulaText	Gets or sets the formula used to calculate emissions.
CalculationMethodAccuracyAssessmentCode	Gets or sets the accuracy assessment of an emission. examples include: tier a, tier b, tier c, carb, part 75, etc.
CO2ConversionFactor	Gets or sets global warming potential (gwp) used to calculate co2e.
CO2ConversionFactorSource	Gets or sets the source of reference for the gwp value.
CO2e	Gets or sets the total co2 equivalent emissions.
CO2eUnitofMeasureCode	Gets or sets the unit of measure for the co2 equivalent emissions.
EmissionCalculationMethodCode	Gets or sets code that defines the method used to calculate emissions.
EmissionFactor	Gets or sets the emission factor used for the emissions value if a calculated value was provided.
EmissionFactorDenominatorUnitofMeasureCode	Gets or sets the denominator for the unit of measure of the reported emission factor.
EmissionFactorFormulaCode	Gets or sets code that identifies the emission factor formula used to calculate emissions.

CisToNodeCore Object Model

EmissionFactorNumeratorUnitofMeasureCode	Gets or sets the numerator for the unit of measure of the reported emission factor.
EmissionFactorReferenceText	Gets or sets reference given for the emission factor used in the calculation.
EmissionFactorText	Gets or sets explanation for emission factor.
EmissionsComment	Gets or sets any comments regarding the emissions, method of calculation, or emission factor.
EmissionsDeMinimisStatus	Gets or sets status indicating if emissions are de minimis.
EmissionsUnitofMeasureCode	Gets or sets unit of measure for reported emissions.
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PollutantCode	Gets or sets code identifying the pollutant for which emissions are reported.
TotalEmissions	Gets or sets total calculated or estimated amount of the pollutant.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

[Reference](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReportingPeriodEmissionsRecord](#) Constructor

Initializes a new instance of the [NodeReportingPeriodEmissionsRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeReportingPeriodEmissionsRecord()
```

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.AlgorithmComment Property

Gets or sets information about the algorithm, including units of measure, for the calculation method.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AlgorithmComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.ALGOR_CMNT.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.AlgorithmFormulaText Property

Gets or sets the formula used to calculate emissions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AlgorithmFormulaText { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.ALGOR_FORM_TXT.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.CalculationMethodAccuracyAssessmentCode Property

Gets or sets the accuracy assessment of an emission. examples include: tier a, tier b, tier c, carb, part 75, etc.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CalculationMethodAccuracyAssessmentCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.CALC_METH_ACC_ASMT_CODE.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.CO2ConversionFactor Property

Gets or sets global warming potential (gwp) used to calculate co2e.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CO2ConversionFactor { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.CO_2_CONV_FAC.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.CO2ConversionFactorSource Property

Gets or sets the source of reference for the gwp value.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CO2ConversionFactorSource { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.CO_2_CONV_FAC_SRC.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.CO2e Property

Gets or sets the total co2 equivalent emissions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CO2e { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.CO_2E.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.CO2eUnitofMeasureCode Property

Gets or sets the unit of measure for the co2 equivalent emissions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CO2eUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.CO_2E_UNT_MEAS_CODE.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionCalculationMethodCode Property

Gets or sets code that defines the method used to calculate emissions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionCalculationMethodCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_CALC_METH_CODE.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionFactor Property

Gets or sets the emission factor used for the emissions value if a calculated value was provided.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionFactor { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_FAC.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionFactorDenominatorUnit ofMeasureCode Property

Gets or sets the denominator for the unit of measure of the reported emission factor.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionFactorDenominatorUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_FAC_DEN_UNT_MEAS_CODE.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionFactorFormulaCode Property

Gets or sets code that identifies the emission factor formula used to calculate emissions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionFactorFormulaCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_FAC_FORM_CODE.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionFactorNumeratorUnitofMeasureCode Property

Gets or sets the numerator for the unit of measure of the reported emission factor.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionFactorNumeratorUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_FAC_NUM_UNT_MEAS_CODE.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionFactorReferenceText Property

Gets or sets reference given for the emission factor used in the calculation.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionFactorReferenceText { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_FAC_REF_TXT.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionFactorText Property

Gets or sets explanation for emission factor.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionFactorText { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_FAC_TXT.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionsComment Property

Gets or sets any comments regarding the emissions, method of calculation, or emission factor.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionsComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_CMNT.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionsDeMinimisStatus Property

Gets or sets status indicating if emissions are de minimis.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionsDeMinimisStatus { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_DE_MINIMIS_STAT.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.EmissionsUnitofMeasureCode Property

Gets or sets unit of measure for reported emissions.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionsUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.EMIS_UNT_MEAS_CODE.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.PollutantCode Property

Gets or sets code identifying the pollutant for which emissions are reported.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string PollutantCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.POLT_CODE.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodEmissionsRecord.TotalEmissions Property

Gets or sets total calculated or estimated amount of the pollutant.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string TotalEmissions { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMS_UNT_PRC_RPT_PRD_EMS.TOTAL_EMIS.

See Also

Reference

[NodeReportingPeriodEmissionsRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord Class

Identifies the reporting period for which emissions and related activity data are submitted.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeReportingPeriodRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeReportingPeriodRecord](#)

Constructors

NodeReportingPeriodRecord	Initializes a new instance of the NodeReportingPeriodRecord class
---	---

Properties

ActualHoursPerPeriod	Gets or sets actual number of hours the process is active or operating during for the reporting period.
AverageDaysPerWeek	Gets or sets the average number of days per week that the emissions process is active within the reporting period.
AverageHoursPerDay	Gets or sets the average number of hours per day that the emissions process is active within the reporting period.
AverageWeeksPerPeriod	Gets or sets the average number of weeks that the emissions process is active within the reporting period.
CalculationDataSource	Gets or sets the source of the data used.
CalculationDataYear	Gets or sets the actual year represented by the data if it is different from the emissions year.
CalculationMaterialCode	Gets or sets code for material or fuel processed.
CalculationParameterTypeCode	Gets or sets code indicating whether the material measured is an input to the process, an output of the process or a static count (not a throughput).
CalculationParameterUnitofMeasure	Gets or sets code for the unit of measure for calculation parameter value.
CalculationParameterValue	Gets or sets activity or throughput of the process for a given time period.
EmissionOperatingTypeCode	Gets or sets code identifying the operating state for the emissions being reported.
EndDate	Gets or sets the date on which the identifier is no longer applicable.

CisToNodeCore Object Model

NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PercentFallActivity	Gets or sets the percentage of the annual activity that occurred during the fall months (september, october, november).
PercentSpringActivity	Gets or sets the percentage of the annual activity that occurred during the spring months (march, april, may).
PercentSummerActivity	Gets or sets the percentage of the annual activity that occurred during the summer months (june, july, august).
PercentWinterActivity	Gets or sets the percentage of the annual activity that occurred during the winter months (december, january, february).
ReportingPeriodComment	Gets or sets any comments regarding the reporting period.
ReportingPeriodTypeCode	Gets or sets the time period type for which emissions are reported.
StartDate	Gets or sets the date on which the reporting period began. applies to the reporting of episodic or event emissions only.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

[Reference](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReportingPeriodRecord](#) Constructor

Initializes a new instance of the [NodeReportingPeriodRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeReportingPeriodRecord()
```

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.ActualHoursPerPeriod Property

Gets or sets actual number of hours the process is active or operating during for the reporting period.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ActualHoursPerPeriod { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.ACTL_HOURS_PER_PRD.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReportingPeriodRecord.AverageDaysPerWeek Property](#)

Gets or sets the average number of days per week that the emissions process is active within the reporting period.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AverageDaysPerWeek { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.AVE_DAYS_PER_WEEK.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReportingPeriodRecord.AverageHoursPerDay Property](#)

Gets or sets the average number of hours per day that the emissions process is active within the reporting period.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AverageHoursPerDay { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.AVE_HOURS_PER_DAY.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.AverageWeeksPerPeriod Property

Gets or sets the average number of weeks that the emissions process is active within the reporting period.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AverageWeeksPerPeriod { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.AVE_WEEKS_PER_PRD.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.CalculationDataSource Property

Gets or sets the source of the data used.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CalculationDataSource { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.CALC_DATA_SRC.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.CalculationDataYear Property

Gets or sets the actual year represented by the data if it is different from the emissions year.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? CalculationDataYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.CALC_DATA_YEAR.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.CalculationMaterialCode Property

Gets or sets code for material or fuel processed.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CalculationMaterialCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.CALC_MATERIAL_CODE.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.CalculationParameterTypeCode Property

Gets or sets code indicating whether the material measured is an input to the process, an output of the process or a static count (not a throughput).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CalculationParameterTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.CALC_PARM_TYPE_CODE.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.CalculationParameterUnitofMeasure Property

Gets or sets code for the unit of measure for calculation parameter value.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CalculationParameterUnitofMeasure { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.CALC_PARM_UNT_MEAS.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.CalculationParameterValue Property

Gets or sets activity or throughput of the process for a given time period.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string CalculationParameterValue { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.CALC_PARM_VAL.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.EmissionOperatingTypeCode Property

Gets or sets code identifying the operating state for the emissions being reported.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EmissionOperatingTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.EMIS_OPER_TYPE_CODE.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.EndDate Property

Gets or sets the date on which the identifier is no longer applicable.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? EndDate { get; set; }
```

Property Value

Nullable(DateTime)

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.END_DATE.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.PercentFallActivity Property

Gets or sets the percentage of the annual activity that occurred during the fall months (september, october, november).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentFallActivity { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.PCNT_FALL_ACT.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

[NodeReportingPeriodRecord.PercentSpringActivity Property](#)

Gets or sets the percentage of the annual activity that occurred during the spring months (march, april, may).

[Definition](#)

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentSpringActivity { get; set; }
```

Property Value

Nullable(Decimal)

[Remarks](#)

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.PCNT_SPRING_ACT.

[See Also](#)

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.PercentSummerActivity Property

Gets or sets the percentage of the annual activity that occurred during the summer months (june, july, august).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentSummerActivity { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.PCNT_SUMMER_ACT.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.PercentWinterActivity Property

Gets or sets the percentage of the annual activity that occurred during the winter months (december, january, february).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentWinterActivity { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.PCNT_WINTER_ACT.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.ReportingPeriodComment Property

Gets or sets any comments regarding the reporting period.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReportingPeriodComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.RPT_PRD_CMNT.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.ReportingPeriodTypeCode Property

Gets or sets the time period type for which emissions are reported.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ReportingPeriodTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.RPT_PRD_TYPE_CODE.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeReportingPeriodRecord.StartDate Property

Gets or sets the date on which the reporting period began. applies to the reporting of episodic or event emissions only.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? StartDate { get; set; }
```

Property Value

Nullable(DateTime)

Remarks

Node: CERS_EMIS_UNIT_PROC_RPT_PRD.START_DATE.

See Also

Reference

[NodeReportingPeriodRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord Class

Identifies an activity, stationary article, process equipment, machine, or other device from which air pollutants emanate or are emitted either directly or indirectly into the environment at the facility site.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class NodeUnitRecord : NodeRecordBase
```

Inheritance **Object** → [NodeRecordBase](#) → [NodeUnitRecord](#)

Constructors

NodeUnitRecord	Initializes a new instance of the NodeUnitRecord class
--------------------------------	--

Properties

ControlApproachComment	Gets or sets comments regarding the control approach.
ControlApproachDescription	Gets or sets description of the overall control system or approach applied to an emissions unit or process.
FirstInventoryYear	Gets or sets the inventory year for which the controls were implemented. (point only.)
InsignificantSourceIndicator	Gets or sets indicates if the emissions source is insignificant.
LastInventoryYear	Gets or sets the last inventory year for which the controls were active. (point only.)
NodeKey	Gets or sets the record's primary key in the node staging tables. (Inherited from NodeRecordBase)
NodeParentKey	Gets or sets the parent's primary key in the node staging tables. (Inherited from NodeRecordBase)
PercentControlApproachCaptureEfficiency	Gets or sets an estimate of that portion of an affected emission stream that is collected and routed to the control measures when the capture or collection system is operating as designed, reported as a percent.
PercentControlApproachEffectiveness	Gets or sets an estimate of the portion of the reporting period's activity for which the overall control system or approach (including both capture and control measures) were operating as designed (regardless of whether the control measure is due to rule or voluntary).

<u>PercentControlApproachPenetration</u>	Gets or sets an estimate of the percent value of the nonpoint activity throughput that is affected by a rule or voluntary approach for the given location. (nonpoint only.)
<u>Scope</u>	Gets or sets the code that identifies the scope of emissions data that are reported. examples include scope 1 - stationary combustion, scope 1 - mobile combustion, scope 2 - purchased electricity, and scope 3 - indirect.
<u>UnitComment</u>	Gets or sets any comments regarding the emissions unit activity.
<u>UnitCommercialOperationDate</u>	Gets or sets the date in which the unit commenced operational activities.
<u>UnitDescription</u>	Gets or sets text description of the emissions unit.
<u>UnitDesignCapacity</u>	Gets or sets the measure of the size of the unit based on the maximum continuous throughput capacity of the unit.
<u>UnitDesignCapacityUnitofMeasureCode</u>	Gets or sets unit of measure for the design capacity of the emissions unit.
<u>UnitOperationDate</u>	Gets or sets the date on which unit activity became operational.
<u>UnitSourceLocation</u>	Gets or sets the location or building number of the emissions source.
<u>UnitStatusCode</u>	Gets or sets code that identifies the operating status of the emissions unit.
<u>UnitStatusCodeYear</u>	Gets or sets the year in which the unit status became applicable.
<u>UnitTypeCode</u>	Gets or sets code that identifies the type of emissions unit activity.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

CisToNodeCore Object Model

ToString	Returns a string that represents the current object. (Inherited from Object)
-----------------	---

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord Constructor

Initializes a new instance of the [NodeUnitRecord](#) class

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public NodeUnitRecord()
```

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.ControlApproachComment Property

Gets or sets comments regarding the control approach.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlApproachComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.CTRL_APCH_CMNT.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.ControlApproachDescription Property

Gets or sets description of the overall control system or approach applied to an emissions unit or process.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ControlApproachDescription { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.CTRL_APCH_DESC.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.FirstInventoryYear Property

Gets or sets the inventory year for which the controls were implemented. (point only.)

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? FirstInventoryYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Node: CERS_EMIS_UNIT.FIRST_INVEN_YEAR.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.InsignificantSourceIndicator Property

Gets or sets indicates if the emissions source is insignificant.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string InsignificantSourceIndicator { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.INSIG_SRC_IND.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.LastInventoryYear Property

Gets or sets the last inventory year for which the controls were active. (point only.)

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? LastInventoryYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Node: CERS_EMIS_UNIT.LAST_INVEN_YEAR.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.PercentControlApproachCaptureEfficiency Property

Gets or sets an estimate of that portion of an affected emission stream that is collected and routed to the control measures when the capture or collection system is operating as designed, reported as a percent.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlApproachCaptureEfficiency { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT.PCNT_CTRL_APCH_CAP_EFCY.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.PercentControlApproachEffectiveness Property

Gets or sets an estimate of the portion of the reporting period's activity for which the overall control system or approach (including both capture and control measures) were operating as designed (regardless of whether the control measure is due to rule or voluntary).

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlApproachEffectiveness { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT.PCNT_CTRL_APCH_EFCT.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.PercentControlApproachPenetration Property

Gets or sets an estimate of the percent value of the nonpoint activity throughput that is affected by a rule or voluntary approach for the given location. (nonpoint only.)

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public decimal? PercentControlApproachPenetration { get; set; }
```

Property Value

Nullable(Decimal)

Remarks

Node: CERS_EMIS_UNIT.PCNT_CTRL_APCH_PEN.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.Scope Property

Gets or sets the code that identifies the scope of emissions data that are reported. examples include scope 1 - stationary combustion, scope 1 - mobile combustion, scope 2 - purchased electricity, and scope 3 - indirect.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Scope { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.SCOPE.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitComment Property

Gets or sets any comments regarding the emissions unit activity.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitComment { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.UNIT_CMNT.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitCommercialOperationDate Property

Gets or sets the date in which the unit commenced operational activities.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? UnitCommercialOperationDate { get; set; }
```

Property Value

Nullable(DateTime)

Remarks

Node: CERS_EMIS_UNIT.UNIT_COMMER_OPER_DATE.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitDescription Property

Gets or sets text description of the emissions unit.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitDescription { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.UNIT_DESC.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitDesignCapacity Property

Gets or sets the measure of the size of the unit based on the maximum continuous throughput capacity of the unit.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitDesignCapacity { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.UNIT_DSGN_CAP.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitDesignCapacityUnitofMeasureCode Property

Gets or sets unit of measure for the design capacity of the emissions unit.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitDesignCapacityUnitofMeasureCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.UNIT_DSGN_CAP_UNT_MEAS_CODE.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitOperationDate Property

Gets or sets the date on which unit activity became operational.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime? UnitOperationDate { get; set; }
```

Property Value

Nullable(DateTime)

Remarks

Node: CERS_EMIS_UNIT.UNIT_OPER_DATE.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitSourceLocation Property

Gets or sets the location or building number of the emissions source.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitSourceLocation { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.UNIT_SRC_LOC.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitStatusCode Property

Gets or sets code that identifies the operating status of the emissions unit.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitStatusCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.UNIT_STAT_CODE.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitStatusCodeYear Property

Gets or sets the year in which the unit status became applicable.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int? UnitStatusCodeYear { get; set; }
```

Property Value

Nullable(Int32)

Remarks

Node: CERS_EMIS_UNIT.UNIT_STAT_CODE_YEAR.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

NodeUnitRecord.UnitTypeCode Property

Gets or sets code that identifies the type of emissions unit activity.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string UnitTypeCode { get; set; }
```

Property Value

String

Remarks

Node: CERS_EMIS_UNIT.UNIT_TYPE_CODE.

See Also

Reference

[NodeUnitRecord Class](#)

[CaisToNodeCore.Models.Node Namespace](#)

SubmissionType Enumeration

Determines how EIS is to handle the submission.

Definition

Namespace: [CaisToNodeCore.Models.Node](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public enum SubmissionType
```

Members

Production	0	Submittal is to be applied to production EIS.
QA	1	Submittal will undergo quality assurance checks, but not applied to production EIS.

See Also

Reference

[CaisToNodeCore.Models.Node Namespace](#)

[CaisToNodeCore.Models.PointEmissions Namespace](#)

CaisToNode PointEmissions model objects.

Classes

PointEmissionsProcessor	ETL for point emissions extraction.
---	-------------------------------------

PointEmissionsProcessor Class

ETL for point emissions extraction.

Definition

Namespace: [CaisToNodeCore.Models.PointEmissions](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class PointEmissionsProcessor : ProcessorBase,  
    IPointEmissionsProcessor
```

Inheritance **Object** → [ProcessorBase](#) → [PointEmissionsProcessor](#)

Implements [IPointEmissionsProcessor](#)

Constructors

PointEmissionsProcessor	Initializes a new instance of the PointEmissionsProcessor class.
---	--

Properties

Cais	Gets a CAIS facade. (Inherited from ProcessorBase)
CaisManager	Gets a CAIS manager. (Inherited from ProcessorBase)
Node	Gets a node facade. (Inherited from ProcessorBase)
NodeManager	Gets a node manager object. (Inherited from ProcessorBase)
Settings	Gets a settings object. (Inherited from ProcessorBase)
SettingsManager	Gets a settings manager object. (Inherited from ProcessorBase)
Snapshot	Gets an EIS snapshot object. (Inherited from ProcessorBase)
SnapshotManager	Gets a snapshot manager object. (Inherited from ProcessorBase)

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
------------------------	--

CisToNodeCore Object Model

Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
<u>PopulateNodeFacade</u>	Adds records to Node Facade for included facilities.
<u>ProcessEmissions</u>	Processes emission records for the point emissions inventory type.
ToString	Returns a string that represents the current object. (Inherited from Object)

[See Also](#)

Reference

[CaisToNodeCore.Models.PointEmissions Namespace](#)

PointEmissionsProcessor Constructor

Initializes a new instance of the [PointEmissionsProcessor](#) class.

Definition

Namespace: [CaisToNodeCore.Models.PointEmissions](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public PointEmissionsProcessor(  
    ISettingsManager settingsManager,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager  
)
```

Parameters

settingsManager [ISettingsManager](#)

Configuration and user settings container.

caisManager [ICaisManager](#)

CAIS interface.

nodeManager [INodeManager](#)

Node interface.

snapshotManager [ISnapshotManager](#)

EIS Snapshot interface.

See Also

Reference

[PointEmissionsProcessor Class](#)

[CaisToNodeCore.Models.PointEmissions Namespace](#)

[PointEmissionsProcessor.PopulateNodeFacade](#) Method

Adds records to Node Facade for included facilities.

Definition

Namespace: [CaisToNodeCore.Models.PointEmissions](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal void PopulateNodeFacade()
```

See Also

Reference

[PointEmissionsProcessor Class](#)

[CaisToNodeCore.Models.PointEmissions Namespace](#)

PointEmissionsProcessor.ProcessEmissions Method

Processes emission records for the point emissions inventory type.

Definition

Namespace: [CaisToNodeCore.Models.PointEmissions](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void ProcessEmissions()
```

Implements

[IPointEmissionsProcessor.ProcessEmissions\(\)](#)

See Also

Reference

[PointEmissionsProcessor Class](#)

[CaisToNodeCore.Models.PointEmissions Namespace](#)

CaisToNodeCore.Services Namespaces

CaisToNode service objects.

Namespaces

<u>CaisToNodeCore.Services</u>	CaisToNode service objects.
<u>CaisToNodeCore.Services.AesCrypto</u>	CaisToNode AesCrypto service objects.
<u>CaisToNodeCore.Services.Reporter</u>	CaisToNode Reporter service objects.
<u>CaisToNodeCore.Services.XmlGenerator</u>	CaisToNode XmlGenerator service objects.

CaisToNodeCore.Services Namespace

CaisToNode service objects.

Classes

ConnectionManager	Manages SQL server connection.
ExtractionCoordinator	Performs extraction tasks.
SettingsManager	Wrapper for accessing apsettings.json via IConfiguration.

Interfaces

SettingsManager.IBootStrapSettings	Initial settings needed to set up user prefs file in full configuration.
--	--

ConnectionManager Class

Manages SQL server connection.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class ConnectionManager : IConnectionManager
```

Inheritance **Object** → **ConnectionManager**

Implements [IConnectionManager](#)

Constructors

ConnectionManager	Initializes a new instance of the ConnectionManager class.
-----------------------------------	--

Methods

ConnectionString	Builds connection string from info in settingsManager.
Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetConnection	Opens a SqlConnection using information in the settings object.
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Services Namespace](#)

ConnectionManager Constructor

Initializes a new instance of the [ConnectionManager](#) class.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public ConnectionManager(  
    ISettingsManager settingsManager,  
    ICrypto crypto,  
    ISecrets secrets  
)
```

Parameters

settingsManager [ISettingsManager](#)

Settings object.

crypto [ICrypto](#)

Cryptography object.

secrets [ISecrets](#)

Secrets object.

See Also

[Reference](#)

[ConnectionManager Class](#)

[CaisToNodeCore.Services Namespace](#)

ConnectionManager.ConnectionString Method

Builds connection string from info in settingsManager.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal string ConnectionString()
```

Return Value

String

Connection string.

See Also

Reference

[ConnectionManager Class](#)

[CaisToNodeCore.Services Namespace](#)

ConnectionManager.GetConnection Method

Opens a SqlConnection using information in the settings object.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public IDbConnection GetConnection()
```

Return Value

IDbConnection

A connection.

Implements

[IConnectionManager.GetConnection\(\)](#)

Remarks

The connection will need to be disposed properly.

See Also

Reference

[ConnectionManager Class](#)

[CaisToNodeCore.Services Namespace](#)

ExtractionCoordinator Class

Performs extraction tasks.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class ExtractionCoordinator : IExtractionCoordinator
```

Inheritance **Object** → ExtractionCoordinator

Implements [IExtractionCoordinator](#)

Constructors

ExtractionCoordinator	Initializes a new instance of the <code>ExtractionCoordinator</code> class.
---------------------------------------	---

Properties

OutputDirectory	Gets a time stamp string for use in <code>fileName</code> names.
---------------------------------	--

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
ExtractDataAsync	Performs data extraction.
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetMissingPrerequisites	Gets a list of missing prerequisites.
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Services Namespace](#)

ExtractionCoordinator Constructor

Initializes a new instance of the [ExtractionCoordinator](#) class.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public ExtractionCoordinator(  
    ISettingsManager settingsManager,  
    ICaisManager caisManager,  
    INodeManager nodeManager,  
    ISnapshotManager snapshotManager,  
    IReporter reporter,  
    IEmissionsProcessProcessor emissionsProcessProcessor,  
    IEmissionsUnitProcessor emissionsUnitProcessor,  
    IPotEmissionsProcessor pointEmissionsProcessor,  
    IFacilitySiteProcessor facilitySiteProcessor,  
    IProcessPollutantAndControlsProcessor processPollutantAndControlsProcessor,  
    IReleasePointProcessor releasePointProcessor,  
    IXmlGenerator xmlGenerator  
)
```

Parameters

settingsManager [ISettingsManager](#)

A class implementing [ISettingsManager](#).

caisManager [ICaisManager](#)

A class implementing [ICaisManager](#).

nodeManager [INodeManager](#)

A class implementing [INodeManager](#).

snapshotManager [ISnapshotManager](#)

A class implementing [ISnapshotManager](#).

reporter [IReporter](#)

A class implementing [IReporter](#).

emissionsProcessProcessor [IEmissionsProcessProcessor](#)

A class implementing [IEmissionsProcessProcessor](#).

emissionsUnitProcessor [IEmissionsUnitProcessor](#)

A class implementing [IEmissionsUnitProcessor](#).

pointEmissionsProcessor [IPo*t*EmissionsProcessor](#)

A class implementing [IPo*t*EmissionsProcessor](#).

facilitySiteProcessor [IFacilitySiteProcessor](#)

>A class implementing [IFacilitySiteProcessor](#).

CisToNodeCore Object Model

processPollutantAndControlsProcessor [IProcessPollutantAndControlsProcessor](#)

A class implementing [IProcessPollutantAndControlsProcessor](#).

releasePointProcessor [IReleasePointProcessor](#)

A class implementing [IReleasePointProcessor](#).

xmlGenerator [IXmlGenerator](#)

A class implementing [IXmlGenerator](#).

See Also

Reference

[ExtractionCoordinator Class](#)

[CaisToNodeCore.Services Namespace](#)

ExtractionCoordinator.OutputDirectory Property

Gets a time stamp string for use in fileName names.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal string OutputDirectory { get; init; }
```

Property Value

String

See Also

[Reference](#)

[ExtractionCoordinator Class](#)

[CaisToNodeCore.Services Namespace](#)

ExtractionCoordinator.ExtractDataAsync Method

Performs data extraction.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task ExtractDataAsync()
```

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[IExtractionCoordinator.ExtractDataAsync\(\)](#)

See Also

Reference

[ExtractionCoordinator Class](#)

[CaisToNodeCore.Services Namespace](#)

ExtractionCoordinator.GetMissingPrerequisites Method

Gets a list of missing prerequisites.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<string> GetMissingPrerequisites()
```

Return Value

List(String)

The failed prerequisites, empty if all is OK.

Implements

[IExtractionCoordinator.GetMissingPrerequisites\(\)](#)

See Also

Reference

[ExtractionCoordinator Class](#)

[CaisToNodeCore.Services Namespace](#)

SettingsManager Class

Wrapper for accessing apsettings.json via IConfiguration.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class SettingsManager : ISettingsManager
```

Inheritance **Object** → **SettingsManager**

Implements [ISettingsManager](#)

Constructors

SettingsManager	Initializes a new instance of the SettingsManager class.
---------------------------------	---

Properties

CaisValues	Gets an object representing CAIS constants and connection information.
EisValues	Gets an object representing EIS constant values, range limits, and defaults.
NaaParameters	Gets an object representing non-attainment area parameters.
Settings	Gets an object representing general application settings.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

CisToNodeCore Object Model

See Also

Reference

[CaisToNodeCore.Services Namespace](#)

SettingsManager Constructor

Initializes a new instance of the [SettingsManager](#) class.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public SettingsManager()
```

See Also

Reference

[SettingsManager Class](#)

[CaisToNodeCore.Services Namespace](#)

[SettingsManager.CaisValues Property](#)

Gets an object representing CAIS constants and connection information.

[Definition](#)

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public ICaisValues CaisValues { get; private set; }
```

Property Value

[ICaisValues](#)

Implements

[ISettingsManager.CaisValues](#)

[See Also](#)

[Reference](#)

[SettingsManager Class](#)

[CaisToNodeCore.Services Namespace](#)

[SettingsManager.EisValues Property](#)

Gets an object representing EIS constant values, range limits, and defaults.

[Definition](#)

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public IEisValues EisValues { get; private set; }
```

Property Value

[IEisValues](#)

Implements

[ISettingsManager.EisValues](#)

[See Also](#)

Reference

[SettingsManager Class](#)

[CaisToNodeCore.Services Namespace](#)

SettingsManager.NaaParameters Property

Gets an object representing non-attainment area parameters.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public INaaParameters NaaParameters { get; private set; }
```

Property Value

[INaaParameters](#)

Implements

[ISettingsManager.NaaParameters](#)

See Also

Reference

[SettingsManager Class](#)

[CaisToNodeCore.Services Namespace](#)

[SettingsManager.Settings Property](#)

Gets an object representing general application settings.

[Definition](#)

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public ICaisToNodeSettings Settings { get; private set; }
```

Property Value

[ICaisToNodeSettings](#)

Implements

[ISettingsManager.Settings](#)

[See Also](#)

Reference

[SettingsManager Class](#)

[CaisToNodeCore.Services Namespace](#)

SettingsManager.IBootStrapSettings Interface

Initial settings needed to set up user prefs file in full configuration.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public interface IBootStrapSettings
```

Properties

OverrideSettingsFolderPath	Gets the folder path to override UserSettingsFolderName.
UserSettingsFileName	Gets the name to be used for the user settings file.
UserSettingsFolderName	Gets the name of the folder containing the user prefs file.

See Also

Reference

[CaisToNodeCore.Services Namespace](#)

SettingsManager.IBootStrapSettings.OverrideSettingsFolderPath Property

Gets the folder path to override UserSettingsFolderName.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string OverrideSettingsFolderPath { get; }
```

Property Value

String

Remarks

This can be set in appsettings.{Environment}.json in order to keep settings out of the user's ApplicationData folder.

See Also

Reference

[SettingsManager.IBootStrapSettings Interface](#)

[CaisToNodeCore.Services Namespace](#)

[SettingsManager.IBootStrapSettings.UserSettingsFileName](#) Property

Gets the name to be used for the user settings file.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string UserSettingsFileName { get; }
```

Property Value

String

See Also

[Reference](#)

[SettingsManager.IBootStrapSettings Interface](#)

[CaisToNodeCore.Services Namespace](#)

[SettingsManager.IBootStrapSettings.UserSettingsFolderName](#) Property

Gets the name of the folder containing the user prefs file.

Definition

Namespace: [CaisToNodeCore.Services](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
string UserSettingsFolderName { get; }
```

Property Value

String

Remarks

This will be a child of Environment.SpecialFolder.ApplicationData.

See Also

Reference

[SettingsManager.IBootStrapSettings Interface](#)

[CaisToNodeCore.Services Namespace](#)

CaisToNodeCore.Services.AesCrypto Namespace

CaisToNode AesCrypto service objects.

Classes

<u>AesCrypto</u>	A wrapper for System.Security.Cryptography AES symmetric encryption.
<u>Secrets</u>	Sensitive information.
<u>Secrets_Template</u>	Sensitive information.

AesCrypto Class

A wrapper for System.Security.Cryptography AES symmetric encryption.

Definition

Namespace: [CaisToNodeCore.Services.AesCrypto](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class AesCrypto : ICrypto
```

Inheritance **Object** → **AesCrypto**

Implements [ICrypto](#)

Remarks

Derived from Kashif Soofi's wrapper: <https://kashifsoofi.github.io/cryptography/aes-in-csharp-using-microsoft-cryptography/>. <https://github.com/kashifsoofi/crypto-sandbox>.

<https://github.com/kashifsoofi/crypto-sandbox/blob/395e5b36d3733887bef49ba41d4342cc527bb4d8/dotnet/src/Sandbox.Crypto/AesCrypto.cs>.

Constructors

AesCrypto	Initializes a new instance of the AesCrypto class
---------------------------	---

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Services.AesCrypto Namespace](#)

AesCrypto Constructor

Initializes a new instance of the [AesCrypto](#) class

Definition

Namespace: [CaisToNodeCore.Services.AesCrypto](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public AesCrypto()
```

See Also

Reference

[AesCrypto Class](#)

[CaisToNodeCore.Services.AesCrypto Namespace](#)

Secrets Class

Sensitive information.

Definition

Namespace: [CaisToNodeCore.Services.AesCrypto](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class Secrets : ISecrets
```

Inheritance **Object** → **Secrets**

Implements [ISecrets](#)

Remarks



Security Note

Exclude this file from any SCMS commits! This file must be listed in `.gitignore`.



Note

Whenever the AES key is changed any encrypted values in `appsettings.json` will need to be updated.

If the AES key is changed and a user with an existing installation has changed user names or passwords the locally saved values will not decrypt properly and the local configuration will have to be updated, manually edited, or deleted.

Constructors

Secrets	Initializes a new instance of the Secrets class
-------------------------	--

Properties

AesKey	Gets the AES key used to encrypt user name and password.
------------------------	--

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)

CisToNodeCore Object Model

MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Services.AesCrypto Namespace](#)

Secrets Constructor

Initializes a new instance of the [Secrets](#) class

Definition

Namespace: [CaisToNodeCore.Services.AesCrypto](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Secrets()
```

See Also

Reference

[Secrets Class](#)

[CaisToNodeCore.Services.AesCrypto Namespace](#)

Secrets.AesKey Property

Gets the AES key used to encrypt user name and password.

Definition

Namespace: [CaisToNodeCore.Services.AesCrypto](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public byte[] AesKey { get; }
```

Property Value

Byte[]

Implements

[ISecrets.AesKey](#)

See Also

[Reference](#)

[Secrets Class](#)

[CaisToNodeCore.Services.AesCrypto Namespace](#)

Secrets_Template Class

Sensitive information.

Definition

Namespace: [CaisToNodeCore.Services.AesCrypto](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class Secrets_Template : ISecrets
```

Inheritance **Object** → Secrets_Template

Implements [ISecrets](#)

Remarks

Copy to *Secrets.CS* and rename class from *Secrets_Template* to *Secrets*. Update AesKey to actual value used to encrypt credentials.



Security Note

Exclude *Secrets.CS* from any SCMS commits! *Secrets.cs* must be listed in *.gitignore*.



Note

Whenever the AES key is changed any encrypted values in *appsettings.json* will need to be updated.

If the AES key is changed and a user with an existing installation has changed user names or passwords the locally saved values will not decrypt properly and the local configuration will have to be updated, manually edited, or deleted.

Constructors

Secrets_Template	Initializes a new instance of the <i>Secrets_Template</i> class
----------------------------------	---

Properties

AesKey	Gets the AES key used to encrypt user name and password.
------------------------	--

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)

CisToNodeCore Object Model

GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Services.AesCrypto Namespace](#)

[Secrets_Template](#) Constructor

Initializes a new instance of the [Secrets_Template](#) class

Definition

Namespace: [CaisToNodeCore.Services.AesCrypto](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Secrets_Template()
```

See Also

Reference

[Secrets_Template Class](#)

[CaisToNodeCore.Services.AesCrypto Namespace](#)

[Secrets_Template.AesKey Property](#)

Gets the AES key used to encrypt user name and password.

[Definition](#)

Namespace: [CaisToNodeCore.Services.AesCrypto](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public byte[] AesKey { get; }
```

Property Value

Byte[]

Implements

[ISecrets.AesKey](#)

[See Also](#)

Reference

[Secrets_Template Class](#)

[CaisToNodeCore.Services.AesCrypto Namespace](#)

CaisToNodeCore.Services.Reporter Namespace

CaisToNode Reporter service objects.

Classes

<u>Issue</u>	Represents information about issues or substitutions for missing or out-of-range CAIS data.
<u>IssueMessage</u>	A class to generate an issue message.
<u>LogEntry</u>	Defines an informational item which will be a row in the report spreadsheet.
<u>LogMessage</u>	A class to generate a log entry message.
<u>Reporter</u>	Collects and saves substitution information.

Enumerations

<u>Severity</u>	The severity level for a log entry.
---------------------------------	-------------------------------------

Issue Class

Represents information about issues or substitutions for missing or out-of-range CAIS data.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class Issue
```

Inheritance **Object** → **Issue**

Constructors

Issue	Initializes a new instance of the Issue class
-----------------------	--

Properties

AdditionalInfo	Gets or sets any supplementary information regarding substitution.
EisComponent	Gets or sets the EIS component containing the element receiving the substitute value.
ElementName	Gets or sets the EIS element receiving the substitute value.
NonCompliantValue	Gets or sets the missing or out-of-range value, cast to string as needed.
RecordIdentifier	Gets or sets the identifier of the offending record.
SubmittalType	Gets or sets the submittal data category.
SubstituteValue	Gets or sets the value substituted for the missing or out-of-range value, cast to string as needed.
TransformationStep	Gets or sets the process step making the substitution.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)

CisToNodeCore Object Model

ToString	Returns a string that represents the current object. (Inherited from Object)
-----------------	---

See Also

Reference

[CaisToNodeCore.Services.Reporter Namespace](#)

Issue Constructor

Initializes a new instance of the [Issue](#) class

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Issue()
```

See Also

Reference

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[Issue.AdditionalInfo Property](#)

Gets or sets any supplementary information regarding substitution.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string AdditionalInfo { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[Issue.EisComponent Property](#)

Gets or sets the EIS component containing the element receiving the substitute value.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string EisComponent { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[Issue.ElementName Property](#)

Gets or sets the EIS element receiving the substitute value.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string ElementName { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[Issue.NonCompliantValue Property](#)

Gets or sets the missing or out-of-range value, cast to string as needed.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string NonCompliantValue { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[Issue.RecordIdentifier Property](#)

Gets or sets the identifier of the offending record.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string RecordIdentifier { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[Issue.SubmittalType Property](#)

Gets or sets the submittal data category.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DataCategory SubmittalType { get; set; }
```

Property Value

[DataCategory](#)

[See Also](#)

[Reference](#)

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[Issue.SubstituteValue Property](#)

Gets or sets the value substituted for the missing or out-of-range value, cast to string as needed.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string SubstituteValue { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[Issue.TransformationStep Property](#)

Gets or sets the process step making the substitution.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string TransformationStep { get; set; }
```

Property Value

String

[See Also](#)

[Reference](#)

[Issue Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

IssueMessage Class

A class to generate an issue message.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class IssueMessage : ValueChangedMessage<Issue>
```

Inheritance **Object** → **ValueChangedMessage(Issue)** → **IssueMessage**

Constructors

IssueMessage	Initializes a new instance of the IssueMessage class.
------------------------------	---

Properties

Value	Gets the value that has changed. (Inherited from ValueChangedMessage(Issue))
--------------	---

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

[Reference](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

[IssueMessage Constructor](#)

Initializes a new instance of the [IssueMessage](#) class.

[Definition](#)

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public IssueMessage(  
    Issue issue  
)
```

Parameters

issue [Issue](#)

The message payload.

[See Also](#)

[Reference](#)

[IssueMessage Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

LogEntry Class

Defines an informational item which will be a row in the report spreadsheet.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class LogEntry
```

Inheritance **Object** → **LogEntry**

Constructors

[LogEntry](#)

Initializes a new instance of the **LogEntry** class

Properties

Event	Gets or sets the event being logged.
Severity	Gets or sets the severity level of the log entry.
TimeStamp	Gets the date and time that the item is created.
Value	Gets or sets the event's value.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Services.Reporter Namespace](#)

LogEntry Constructor

Initializes a new instance of the [LogEntry](#) class

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public LogEntry()
```

See Also

Reference

[LogEntry Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

LogEntry.Event Property

Gets or sets the event being logged.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Event { get; set; }
```

Property Value

String

Remarks

This should be consistent between runs.

See Also

[Reference](#)

[LogEntry Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

LogEntry.Severity Property

Gets or sets the severity level of the log entry.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Severity Severity { get; set; }
```

Property Value

[Severity](#)

See Also

[Reference](#)

[LogEntry Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

LogEntry.TimeStamp Property

Gets the date and time that the item is created.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public DateTime TimeStamp { get; init; }
```

Property Value

DateTime

See Also

[Reference](#)

[LogEntry Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

LogEntry.Value Property

Gets or sets the event's value.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public string Value { get; set; }
```

Property Value

String

Remarks

This will vary depending on the run.

See Also

[Reference](#)

[LogEntry Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

LogMessage Class

A class to generate a log entry message.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class LogMessage : ValueChangedMessage<LogEntry>
```

Inheritance **Object** → **ValueChangedMessage**([LogEntry](#)) → **LogMessage**

Constructors

LogMessage	Initializes a new instance of the LogMessage class.
----------------------------	--

Properties

Value	Gets the value that has changed. (Inherited from ValueChangedMessage (LogEntry))
--------------	--

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Services.Reporter Namespace](#)

LogMessage Constructor

Initializes a new instance of the [LogMessage](#) class.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public LogMessage(  
    LogEntry logEntry  
)
```

Parameters

logEntry [LogEntry](#)

The message payload.

See Also

Reference

[LogMessage Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

Reporter Class

Collects and saves substitution information.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class Reporter : IReporter
```

Inheritance **Object** → Reporter

Implements [IReporter](#)

Constructors

Reporter	Initializes a new instance of the Reporter class.
--------------------------	---

Properties

Issues	Gets a list of substitutions made during the process.
LogEntries	Gets a list of log items for summary reporting.

Methods

Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)
MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
SaveObjectListsToXlsx(T)	Saves a workbook with worksheets containing data from the public lists of an object.
SaveReport	Saves the substitutions to a file.
ToString	Returns a string that represents the current object. (Inherited from Object)

CisToNodeCore Object Model

See Also

Reference

[CaisToNodeCore.Services.Reporter Namespace](#)

Reporter Constructor

Initializes a new instance of the [Reporter](#) class.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Reporter()
```

See Also

Reference

[Reporter Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

Reporter.Issues Property

Gets a list of substitutions made during the process.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<Issue> Issues { get; }
```

Property Value

[List\(Issue\)](#)

Implements

[IReporter.Issues](#)

See Also

[Reference](#)

[Reporter Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

Reporter.LogEntries Property

Gets a list of log items for summary reporting.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public List<LogEntry> LogEntries { get; }
```

Property Value

[List\(LogEntry\)](#)

Implements

[IReporter.LogEntries](#)

See Also

Reference

[Reporter Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

Reporter.SaveObjectListsToXlsx<T> Method

Saves a workbook with worksheets containing data from the public lists of an object.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public int SaveObjectListsToXlsx<T>(  
    T obj,  
    string fileName  
)
```

Parameters

obj **T**

The object containing lists.

fileName **String**

The fully qualified name of the file to be saved.

Type Parameters

T

The type of the list-containing objects.

Return Value

Int32

Number of lists saved, zero means no workbook generated.

Implements

[IReporter.SaveObjectListsToXlsx\(T\)\(T, String\)](#)

See Also

Reference

[Reporter Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

Reporter.SaveReport Method

Saves the substitutions to a file.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public void SaveReport(  
    string fileName  
)
```

Parameters

fileName **String**

The fully qualified name of the file to be saved.

Implements

[IReporter.SaveReport\(String\)](#)

See Also

Reference

[Reporter Class](#)

[CaisToNodeCore.Services.Reporter Namespace](#)

Severity Enumeration

The severity level for a log entry.

Definition

Namespace: [CaisToNodeCore.Services.Reporter](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public enum Severity
```

Members

Normal	0	A normal entry. Handle silently.
Important	1	An Important entry. Might require passive user notification.
Serious	2	A Serious entry. Might require interactive user notification.
Grave	3	A Grave entry. Might require aborting the process.

See Also

Reference

[CaisToNodeCore.Services.Reporter Namespace](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

CaisToNode XmlGenerator service objects.

Classes

XmlGenerator	Generates CERS V2 XML.
XmlGeneratorExtensionMethods	Extension methods for xml generator.

XmlGenerator Class

Generates CERS V2 XML.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public class XmlGenerator : IXmlGenerator
```

Inheritance **Object** → **XmlGenerator**

Implements [IXmlGenerator](#)

Constructors

XmlGenerator	Initializes a new instance of the XmlGenerator class. used to generate CERS XML files from the node facade.
------------------------------	--

Properties

Config	Gets a CaisToNodeSettings object.
NodeFacade	Gets a node facade object.
XmlWriterSettings	Gets the XML writer settings.

Methods

AddRootHeaderAndCersAsync	Generates header and CERS wrapper elements.
Equals	Determines whether the specified object is equal to the current object. (Inherited from Object)
Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object)
GenerateXmlAsync(Stream, SubmissionType, DataCategory)	Generates XML for a EIS submittal.
GenerateXmlAsync(String, SubmissionType, DataCategory)	Generates zipped XML for a EIS submittal.
GetHashCode	Serves as the default hash function. (Inherited from Object)
GetType	Gets the Type of the current instance. (Inherited from Object)

CisToNodeCore Object Model

MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object)
ToString	Returns a string that represents the current object. (Inherited from Object)

See Also

Reference

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

XmlGenerator Constructor

Initializes a new instance of the [XmlGenerator](#) class. used to generate CERS XML files from the node facade.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public XmlGenerator(  
    INodeManager nodeManager,  
    ISettingsManager settingsManager  
)
```

Parameters

nodeManager [INodeManager](#)

A [NodeManager](#).

settingsManager [ISettingsManager](#)

A [SettingsManager](#).

Exceptions

ArgumentNullException	Thrown for null argument.
------------------------------	---------------------------

See Also

Reference

[XmlGenerator Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

[XmlGenerator.Config Property](#)

Gets a CaisToNodeSettings object.

[Definition](#)

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected ISettingsManager Config { get; init; }
```

Property Value

[ISettingsManager](#)

[See Also](#)

[Reference](#)

[XmlGenerator Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

[XmlGenerator.NodeFacade](#) Property

Gets a node facade object.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected NodeFacade NodeFacade { get; init; }
```

Property Value

[NodeFacade](#)

See Also

[Reference](#)

[XmlGenerator Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

XmlGenerator.XmlWriterSettings Property

Gets the XML writer settings.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
protected XmlWriterSettings XmlWriterSettings { get; }
```

Property Value

XmlWriterSettings

See Also

Reference

[XmlGenerator Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

XmlGenerator.AddRootHeaderAndCersAsync Method

Generates header and CERS wrapper elements.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal Task AddRootHeaderAndCersAsync(  
    XmlWriter writer,  
    SubmissionType submissionType,  
    DataCategory category  
)
```

Parameters

writer [XmlWriter](#)

An XmlWriter object.

submissionType [SubmissionType](#)

Submission type: QA or Production.

category [DataCategory](#)

The data category.

Return Value

Task

A **Task** representing the asynchronous operation.

Exceptions

DataException	Thrown if no appropriate CERS record is found.
-------------------------------	--

See Also

Reference

[XmlGenerator Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

XmlGenerator.GenerateXmlAsync(Stream, SubmissionType, DataCategory) Method

Generates XML for a EIS submittal.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task GenerateXmlAsync(  
    Stream stream,  
    SubmissionType submissionType,  
    DataCategory dataCategory  
)
```

Parameters

stream **Stream**

A stream to receive the XML.

submissionType [SubmissionType](#)

Submission type: QA or Production.

dataCategory [DataCategory](#)

The data category.

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[IXmlGenerator.GenerateXmlAsync\(Stream, SubmissionType, DataCategory\)](#)

Remarks

This is exposed primarily for test purposes. Normally the stream would be a FileStream, but for testing a MemoryStream can be used.

See Also

Reference

[XmlGenerator Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

XmlGenerator.GenerateXmlAsync(String, SubmissionType, DataCategory) Method

Generates zipped XML for a EIS submittal.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
public Task GenerateXmlAsync(  
    string fileName,  
    SubmissionType submissionType,  
    DataCategory dataCategory  
)
```

Parameters

fileName **String**

The name of the destination XML file.

submissionType [SubmissionType](#)

Submission type: QA or Production.

dataCategory [DataCategory](#)

The data category.

Return Value

Task

A **Task** representing the asynchronous operation.

Implements

[IXmlGenerator.GenerateXmlAsync\(String, SubmissionType, DataCategory\)](#)

Remarks

The extension of the file name parameter will be changed to ".zip". The zip archive will contain the XML in an entry with the base name of the file name parameter and the extension ".xml".

See Also

Reference

[XmlGenerator Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

XmlGeneratorExtensionMethods Class

Extension methods for xml generator.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal static class XmlGeneratorExtensionMethods
```

Inheritance

Object → **XmlGeneratorExtensionMethods**

Methods

WriteOptionalElement(T)	Adds element to XmlWriter only if the value is not null.
WriteOptionalElementAsync(T)	Adds element to XmlWriter only if the value is not null.

See Also

Reference

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

XmlGeneratorExtensionMethods.WriteOptionalElement<T> Method

Adds element to XmlWriter only if the value is not null.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal static void WriteOptionalElement<T>(
    this XmlWriter writer,
    string prefix,
    string localName,
    T value
)
```

Parameters

writer **XmlWriter**

An XmlWriter.

prefix **String**

The prefix of the element.

localName **String**

The local name of the element.

value **T**

The value of the element.

Type Parameters

T

Type of value.

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **XmlWriter**.

When you use instance method syntax to call this method, omit the first parameter. For more

information, see [Extension Methods \(Visual Basic\)](#) or [Extension Methods \(C# Programming Guide\)](#).

See Also

Reference

[XmlGeneratorExtensionMethods Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)

XmlGeneratorExtensionMethods.WriteOptionalElementAsync<T> Method

Adds element to XmlWriter only if the value is not null.

Definition

Namespace: [CaisToNodeCore.Services.XmlGenerator](#)

Assembly: CaisToNodeCore (in CaisToNodeCore.dll) Version: 1.0.0

C#

```
internal static Task WriteOptionalElementAsync<T>(
    this XmlWriter writer,
    string prefix,
    string localName,
    T value
)
```

Parameters

writer **XmlWriter**

An XmlWriter.

prefix **String**

The prefix of the element.

localName **String**

The local name of the element.

value **T**

The value of the element.

Type Parameters

T

Type of value.

Return Value

Task

A **Task** representing the asynchronous operation.

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **XmlWriter**.

When you use instance method syntax to call this method, omit the first parameter. For more

information, see [Extension Methods \(Visual Basic\)](#) or [Extension Methods \(C# Programming Guide\)](#).

See Also

Reference

[XmlGeneratorExtensionMethods Class](#)

[CaisToNodeCore.Services.XmlGenerator Namespace](#)