**Specification**

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Component: IEcoDateTime1

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1. **Overview**

This document describes the requirements for the implementation of the Eco.DateTime1 component.

* 1. **Introduction**

Description.

* 1. **Note**
* Keywords
  1. **Links**

This paragraph contains links to information to help you understand this document:

[] – name of the link

Available by: http://address

1. **Eco.DateTime1 Component**

The Eco.DateTime1 component

The component has the following description:

* 1. **IEcoDateTime1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.h" | | | |
| [  object,  uguid(CA5A4E0E-7EEB-4CA9-92C6-22043FFA07BC),  ] | | | |
| interface IEcoDateTime1 : IEcoUnknown { | | | |
|  | | | |
| IEcoDateTime1\* | | ***Now*** | ([in] void); |
|  | | | |
| IEcoDateTime1\* | | ***Clone*** | ([in] void); |
|  | | | |
| ECITIMEVAL\* | | ***get\_SystemTime*** | ([in] void); |
|  | | | |
| void | | ***set\_SystemTime*** | ([in] ECOTIMEVAL\* value); |
|  | | | |
| int32\_t | | ***get\_TimeOfDaySec*** | ([in] void); |
|  | | | |
| int32\_t | | ***get\_TimeOfDayUSec*** | ([in] void); |
|  | | | |
| char\_t\* | | ***ToString*** | ([in] void); |
|  | | | |
| char\_t\* | | ***ToStringFormat*** | ([in] char\_t \*format); |
| } | |  |  |

* + 1. **Now function**

The function gets a DateTime object that is set to the current date and time on this computer, expressed as the local time

* + 1. **Clone function**

The function

* + 1. **get\_SystemTime function**

The function gets the currently selected time from a date and time picker (DTP) control and places it in a specified SYSTEMTIME structure.

* + 1. **set\_SystemTime function**

The function sets a date and time picker (DTP) control to a given date and time.

* + 1. **get\_TimeOfDaySec function**

The function

* + 1. **get\_TimeOfDayUSec function**

The function

* + 1. **ToString function**

The function converts the value of the current DateTime object to its equivalent string representation.

* + 1. **ToStringFormat function**

The function converts the value of the current DateTime object to its equivalent string representation using the specified formatting information associated with the language and regional parameters.

* 1. **Error codes**

The following table contains the error codes.

|  |  |  |
| --- | --- | --- |
| **Error code** | **Value** | **Description** |
| ERR\_ECO\_SUCCESES | 0x0000 | Operation successful. |
| ERR\_ECO\_UNEXPECTED | 0xFFFF | Unexpected condition. |
| ERR\_ECO\_POINTER | 0xFFEE | NULL was passed incorrectly for a pointer value. |
| ERR\_ECO\_NOINTERFACE | 0xFFED | No such interface supported. |
| ERR\_ECO\_COMPONENT\_NOTFOUND | 0xFFE9 | The component was not found. |
|  |  |  |
|  |  |  |

# **Appendix A: Training programs**